Appendix C
Data Validation and Automated Data Review

1. 15D128
2. 15D142
3. 15D143
4. 15D156
5. 15D157

Automatic Data Validation Report

B&B
City Wells
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-13-569

SDG # 15D128

April, 2015

By

Ziba Hosseini

ADR LIBRARY

ECO-BrownandBryanyt-121114

Ground water Monitoring

@

Brown & Bryant, Arvin, California

EPA Methods: 8260B, 8260B (SIM), 8151A
300.0, 415.1, SM3500, SM4500S2D
and
RSK175

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			48	Hours	2	GT
415.1			28	Days	2	GT
8151	7	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT
FE3500			48	Hours	2	GT
RSK175				Days	2	GT
SM4500S2D			7	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			28	Days	2	GT
415.1			28	Days	2	GT
8151	14	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
FE3500	15438-31-0	Ferrous Iron	5
RSK175	1333-74-0	HYDROGEN	5
	74-82-8	METHANE	5
SM4500S2D	18496-25-8	SULFIDE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
FE3500	15438-31-0	Ferrous Iron	20	
RSK175	1333-74-0	HYDROGEN		
	74-82-8	METHANE		
SM4500S2D	18496-25-8	SULFIDE	20	

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery	
					Lower Limit	Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	40	140
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	70	120
	460-00-4	4-Bromofluorobenzene	10	LT	75	120
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	85	115
	2037-26-5	TOLUENE-D8	10	LT	85	120
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	80	120

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	10	150
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	60	160
	460-00-4	4-Bromofluorobenzene	10	LT	70	150
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	70	130
	2037-26-5	TOLUENE-D8	10	LT	70	140
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	50	150

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	70	135	30
	78-93-3	2-BUTANONE	10	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	10	LT	75	125	30
	591-78-6	2-HEXANONE	10	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	130	30
	67-64-1	ACETONE	10	LT	40	140	30
	71-43-2	BENZENE	10	LT	80	120	30
	108-86-1	BROMOBENZENE	10	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	75	120	30
	75-25-2	BROMOFORM	10	LT	70	130	30
	74-83-9	BROMOMETHANE	10	LT	30	145	30
	75-15-0	CARBON DISULFIDE	10	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	140	30
	108-90-7	CHLOROBENZENE	10	LT	80	120	30
	75-00-3	CHLOROETHANE	10	LT	60	135	30
	67-66-3	CHLOROFORM	10	LT	65	135	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	74-87-3	CHLOROMETHANE	10	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	60	135	30
	74-95-3	DIBROMOMETHANE	10	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	30	155	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	10	LT	50	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	125	30
	136777-61-2	M,P-XYLENES	10	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	60	135	30
	1634-04-4	MTBE	10	LT	65	125	30
	91-20-3	NAPHTHALENE	10	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	10	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	10	LT	70	130	30
	95-47-6	O-XYLENE	10	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	70	125	30
	100-42-5	STYRENE	10	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	45	150	30
	108-88-3	TOLUENE	10	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	55	140	30
	79-01-6	TRICHLOROETHENE	10	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	60	145	30
	108-05-4	VINYL ACETATE	10	LT	65	135	30
	75-01-4	VINYL CHLORIDE	10	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	50	LT	80	120	20
RSK175	1333-74-0	HYDROGEN	10	LT	80	120	20
	74-82-8	METHANE	10	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	50	LT	80	120	20

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	65	135	30
	78-93-3	2-BUTANONE	10	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	10	LT	70	130	30
	591-78-6	2-HEXANONE	10	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	125	30
	67-64-1	ACETONE	10	LT	20	160	30
	71-43-2	BENZENE	10	LT	75	125	30
	108-86-1	BROMOBENZENE	10	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	70	130	30
	75-25-2	BROMOFORM	10	LT	55	135	30
	74-83-9	BROMOMETHANE	10	LT	30	160	30
	75-15-0	CARBON DISULFIDE	10	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	135	30
	108-90-7	CHLOROBENZENE	10	LT	75	125	30
	75-00-3	CHLOROETHANE	10	LT	40	155	30
	67-66-3	CHLOROFORM	10	LT	70	125	50

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery		RPD
					Lower Limit	Upper Limit	
8260B	74-87-3	CHLOROMETHANE	10	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	65	130	30
	74-95-3	DIBROMOMETHANE	10	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	35	135	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	10	LT	55	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	130	30
	136777-61-2	M,P-XYLENES	10	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	45	145	30
	1634-04-4	MTBE	10	LT	60	150	50
	91-20-3	NAPHTHALENE	10	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	10	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	10	LT	65	135	30
	95-47-6	O-XYLENE	10	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	65	130	30
	100-42-5	STYRENE	10	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	65	140	30
	108-88-3	TOLUENE	10	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	65	125	30
	79-01-6	TRICHLOROETHENE	10	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	25	185	30
	108-05-4	VINYL ACETATE	10	LT	20	160	50
	75-01-4	VINYL CHLORIDE	10	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	50	150	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	70	135	30
	78-93-3	2-BUTANONE	0	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	0	LT	75	125	30
	591-78-6	2-HEXANONE	0	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	130	30
	67-64-1	ACETONE	0	LT	40	140	30
	71-43-2	BENZENE	0	LT	80	120	30
	108-86-1	BROMOBENZENE	0	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	75	120	30
	75-25-2	BROMOFORM	0	LT	70	130	30
	74-83-9	BROMOMETHANE	0	LT	30	145	30
	75-15-0	CARBON DISULFIDE	0	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	140	30
	108-90-7	CHLOROBENZENE	0	LT	80	120	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	60	135	30
	67-66-3	CHLOROFORM	0	LT	65	135	30
	74-87-3	CHLOROMETHANE	0	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	60	135	30
	74-95-3	DIBROMOMETHANE	0	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	30	155	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	0	LT	50	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	125	30
	136777-61-2	M,P-XYLENES	0	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	60	135	30
	1634-04-4	MTBE	0	LT	65	125	30
	91-20-3	NAPHTHALENE	0	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	0	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	0	LT	70	130	30
	95-47-6	O-XYLENE	0	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	70	125	30
	100-42-5	STYRENE	0	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	45	150	30
	108-88-3	TOLUENE	0	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	55	140	30
	79-01-6	TRICHLOROETHENE	0	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	60	145	30
	108-05-4	VINYL ACETATE	0	LT	65	135	30
	75-01-4	VINYL CHLORIDE	0	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	30	LT	75	125	20
RSK175	1333-74-0	HYDROGEN	0	LT	80	120	20
	74-82-8	METHANE	0	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	30	LT	75	125	20

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	65	135	30
	78-93-3	2-BUTANONE	0	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	0	LT	70	130	30
	591-78-6	2-HEXANONE	0	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	125	30
	67-64-1	ACETONE	0	LT	20	160	30
	71-43-2	BENZENE	0	LT	75	125	30
	108-86-1	BROMOBENZENE	0	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	70	130	30
	75-25-2	BROMOFORM	0	LT	55	135	30
	74-83-9	BROMOMETHANE	0	LT	30	160	30
	75-15-0	CARBON DISULFIDE	0	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	135	30
	108-90-7	CHLOROBENZENE	0	LT	75	125	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	40	155	30
	67-66-3	CHLOROFORM	0	LT	70	125	50
	74-87-3	CHLOROMETHANE	0	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	65	130	30
	74-95-3	DIBROMOMETHANE	0	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	35	135	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	0	LT	55	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	130	30
	136777-61-2	M,P-XYLENES	0	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	45	145	30
	1634-04-4	MTBE	0	LT	60	150	50
	91-20-3	NAPHTHALENE	0	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	0	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	0	LT	65	135	30
	95-47-6	O-XYLENE	0	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	65	130	30
	100-42-5	STYRENE	0	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	65	140	30
	108-88-3	TOLUENE	0	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	65	125	30
	79-01-6	TRICHLOROETHENE	0	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	25	185	30
	108-05-4	VINYL ACETATE	0	LT	10	160	50
	75-01-4	VINYL CHLORIDE	0	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	50	150	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	0.1	PQL	mg/L
	14797-65-0	Nitrite-N	0.1	PQL	mg/L
	14808-79-8	SULFATE	0.5	PQL	mg/L
415.1	E-10195	TOC	1	PQL	mg/L
8151	88-85-7	DINOSEB	0.4	PQL	ug/L
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	71-55-6	1,1,1-TRICHLOROETHANE	1.0	PQL	ug/L
	79-34-5	1,1,2,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	79-00-5	1,1,2-TRICHLOROETHANE	1.0	PQL	ug/L
	75-34-3	1,1-DICHLOROETHANE	1.0	PQL	ug/L
	75-35-4	1,1-DICHLOROETHENE	1.0	PQL	ug/L
	563-58-6	1,1-DICHLOROPROPENE	1.0	PQL	ug/L
	87-61-6	1,2,3-TRICHLOROBENZENE	1.0	PQL	ug/L
	96-18-4	1,2,3-TRICHLOROPROPANE	1.0	PQL	ug/L
	120-82-1	1,2,4-TRICHLOROBENZENE	1.0	PQL	ug/L
	95-63-6	1,2,4-TRIMETHYLBENZENE	1.0	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1.0	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	1.0	PQL	ug/L
	95-50-1	1,2-DICHLOROBENZENE	1.0	PQL	ug/L
	107-06-2	1,2-DICHLOROETHANE	1.0	PQL	ug/L
	78-87-5	1,2-DICHLOROPROPANE	1.0	PQL	ug/L
	108-67-8	1,3,5-TRIMETHYLBENZENE	1.0	PQL	ug/L
	541-73-1	1,3-DICHLOROBENZENE	1.0	PQL	ug/L
	142-28-9	1,3-DICHLOROPROPANE	0.5	PQL	ug/L
	106-46-7	1,4-DICHLOROBENZENE	1.0	PQL	ug/L
	594-20-7	2,2-DICHLOROPROPANE	1.0	PQL	ug/L
	78-93-3	2-BUTANONE	10	PQL	ug/L
	95-49-8	2-CHLOROTOLUENE	1.0	PQL	ug/L
	591-78-6	2-HEXANONE	10	PQL	ug/L
	106-43-4	4-CHLOROTOLUENE	1.0	PQL	ug/L
	67-64-1	ACETONE	10	PQL	ug/L
	71-43-2	BENZENE	1.0	PQL	ug/L
	108-86-1	BROMOBENZENE	1.0	PQL	ug/L
	74-97-5	BROMOCHLOROMETHANE	1.0	PQL	ug/L
	75-27-4	BROMODICHLOROMETHANE	1.0	PQL	ug/L
	75-25-2	BROMOFORM	1.0	PQL	ug/L
	74-83-9	BROMOMETHANE	1.0	PQL	ug/L
	75-15-0	CARBON DISULFIDE	1.0	PQL	ug/L
	56-23-5	CARBON TETRACHLORIDE	1.0	PQL	ug/L
	108-90-7	CHLOROBENZENE	1.0	PQL	ug/L
	75-00-3	CHLOROETHANE	1.0	PQL	ug/L
	67-66-3	CHLOROFORM	1.0	PQL	ug/L
	74-87-3	CHLOROMETHANE	1.0	PQL	ug/L
	156-59-2	CIS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-01-5	CIS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	124-48-1	DIBROMOCHLOROMETHANE	1.0	PQL	ug/L
	74-95-3	DIBROMOMETHANE	1.0	PQL	ug/L
	75-71-8	DICHLORODIFLUOROMETHANE	1.0	PQL	ug/L
	100-41-4	ETHYLBENZENE	1.0	PQL	ug/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	1.0	PQL	ug/L
	87-68-3	HEXACHLOROBUTADIENE	1.0	PQL	ug/L
	98-82-8	Isopropyl Benzene	1.0	PQL	ug/L
	136777-61-2	M,P-XYLENES	1.0	PQL	ug/L
	75-09-2	METHYLENE CHLORIDE	1.0	PQL	ug/L
	108-10-1	MIBK	10	PQL	ug/L
	1634-04-4	MTBE	1.0	PQL	ug/L
	91-20-3	NAPHTHALENE	1.0	PQL	ug/L
	104-51-8	N-BUTYLBENZENE	1.0	PQL	ug/L
	103-65-1	N-PROPYLBENZENE	1.0	PQL	ug/L
	95-47-6	O-XYLENE	1.0	PQL	ug/L
	99-87-6	P-ISOPROPYLTOLUENE	1.0	PQL	ug/L
	135-98-8	SEC-BUTYLBENZENE	1.0	PQL	ug/L
	100-42-5	STYRENE	1.0	PQL	ug/L
	98-06-6	TERT-BUTYLBENZENE	1.0	PQL	ug/L
	127-18-4	TETRACHLOROETHENE	1.0	PQL	ug/L
	108-88-3	TOLUENE	1.0	PQL	ug/L
	156-60-5	TRANS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	79-01-6	TRICHLOROETHENE	1.0	PQL	ug/L
	75-69-4	TRICHLOROFLUOROMETHANE	1.0	PQL	ug/L
	108-05-4	VINYL ACETATE	2.0	PQL	ug/L
	75-01-4	VINYL CHLORIDE	1.0	PQL	ug/L
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/L
FE3500	15438-31-0	Ferrous Iron	2	PQL	mg/L
RSK175	1333-74-0	HYDROGEN	10	PQL	ug/L
	74-82-8	METHANE	1	PQL	ug/L
SM4500S2D	18496-25-8	SULFIDE	0.1	PQL	mg/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	1	PQL	mg/Kg
	14797-65-0	Nitrite-N	1	PQL	mg/Kg
	14808-79-8	SULFATE	5	PQL	mg/Kg
415.1	E-10195	TOC	10	PQL	mg/Kg
8151	88-85-7	DINOSEB	10	PQL	ug/Kg
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	71-55-6	1,1,1-TRICHLOROETHANE	5	PQL	ug/Kg
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	79-00-5	1,1,2-TRICHLOROETHANE	5	PQL	ug/Kg
	75-34-3	1,1-DICHLOROETHANE	5	PQL	ug/Kg
	75-35-4	1,1-DICHLOROETHENE	5	PQL	ug/Kg
	563-58-6	1,1-DICHLOROPROPENE	5	PQL	ug/Kg
	87-61-6	1,2,3-TRICHLOROBENZENE	5	PQL	ug/Kg
	96-18-4	1,2,3-TRICHLOROPROPANE	5	PQL	ug/Kg
	120-82-1	1,2,4-TRICHLOROBENZENE	5	PQL	ug/Kg
	95-63-6	1,2,4-TRIMETHYLBENZENE	5	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	5	PQL	ug/Kg
	95-50-1	1,2-DICHLOROBENZENE	5	PQL	ug/Kg
	107-06-2	1,2-DICHLOROETHANE	5	PQL	ug/Kg
	78-87-5	1,2-DICHLOROPROPANE	5	PQL	ug/Kg
	108-67-8	1,3,5-TRIMETHYLBENZENE	5	PQL	ug/Kg
	541-73-1	1,3-DICHLOROBENZENE	5	PQL	ug/Kg
	142-28-9	1,3-DICHLOROPROPANE	5	PQL	ug/Kg
	106-46-7	1,4-DICHLOROBENZENE	5	PQL	ug/Kg
	594-20-7	2,2-DICHLOROPROPANE	5	PQL	ug/Kg
	78-93-3	2-BUTANONE	10	PQL	ug/Kg
	95-49-8	2-CHLOROTOLUENE	5	PQL	ug/Kg
	591-78-6	2-HEXANONE	10	PQL	ug/Kg
	106-43-4	4-CHLOROTOLUENE	5	PQL	ug/Kg
	67-64-1	ACETONE	10	PQL	ug/Kg
	71-43-2	BENZENE	5	PQL	ug/Kg
	108-86-1	BROMOBENZENE	5	PQL	ug/Kg
	74-97-5	BROMOCHLOROMETHANE	5	PQL	ug/Kg
	75-27-4	BROMODICHLOROMETHANE	5	PQL	ug/Kg
	75-25-2	BROMOFORM	5	PQL	ug/Kg
	74-83-9	BROMOMETHANE	10	PQL	ug/Kg
	75-15-0	CARBON DISULFIDE	5	PQL	ug/Kg
	56-23-5	CARBON TETRACHLORIDE	5	PQL	ug/Kg
	108-90-7	CHLOROBENZENE	5	PQL	ug/Kg
	75-00-3	CHLOROETHANE	5	PQL	ug/Kg
	67-66-3	CHLOROFORM	5	PQL	ug/Kg
	74-87-3	CHLOROMETHANE	5	PQL	ug/Kg
	156-59-2	CIS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	124-48-1	DIBROMOCHLOROMETHANE	5	PQL	ug/Kg
	74-95-3	DIBROMOMETHANE	5	PQL	ug/Kg
	75-71-8	DICHLORODIFLUOROMETHANE	5	PQL	ug/Kg
	100-41-4	ETHYLBENZENE	5	PQL	ug/Kg

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	5	PQL	ug/Kg
	87-68-3	HEXACHLOROBUTADIENE	5	PQL	ug/Kg
	98-82-8	Isopropyl Benzene	5	PQL	ug/Kg
	136777-61-2	M,P-XYLENES	10	PQL	ug/Kg
	75-09-2	METHYLENE CHLORIDE	5	PQL	ug/Kg
	108-10-1	MIBK	10	PQL	ug/Kg
	1634-04-4	MTBE	5	PQL	ug/Kg
	91-20-3	NAPHTHALENE	5	PQL	ug/Kg
	104-51-8	N-BUTYLBENZENE	5	PQL	ug/Kg
	103-65-1	N-PROPYLBENZENE	5	PQL	ug/Kg
	95-47-6	O-XYLENE	5	PQL	ug/Kg
	99-87-6	P-ISOPROPYLTOLUENE	5	PQL	ug/Kg
	135-98-8	SEC-BUTYLBENZENE	5	PQL	ug/Kg
	100-42-5	STYRENE	5	PQL	ug/Kg
	98-06-6	TERT-BUTYLBENZENE	5	PQL	ug/Kg
	127-18-4	TETRACHLOROETHENE	5	PQL	ug/Kg
	108-88-3	TOLUENE	5	PQL	ug/Kg
	156-60-5	TRANS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	79-01-6	TRICHLOROETHENE	5	PQL	ug/Kg
	75-69-4	TRICHLOROFLUOROMETHANE	5	PQL	ug/Kg
	108-05-4	VINYL ACETATE	5	PQL	ug/Kg
	75-01-4	VINYL CHLORIDE	5	PQL	ug/Kg
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/Kg

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8151	88-85-7	DINOSEB											
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE											
	71-55-6	1,1,1-TRICHLOROETHANE											
	79-34-5	1,1,2,2-TETRACHLOROETHANE											
	79-00-5	1,1,2-TRICHLOROETHANE											
	75-34-3	1,1-DICHLOROETHANE											
	75-35-4	1,1-DICHLOROETHENE											
	563-58-6	1,1-DICHLOROPROPENE											
	87-61-6	1,2,3-TRICHLOROBENZENE											
	96-18-4	1,2,3-TRICHLOROPROPANE											
	120-82-1	1,2,4-TRICHLOROBENZENE											
	95-63-6	1,2,4-TRIMETHYLBENZENE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
	95-50-1	1,2-DICHLOROBENZENE											
	107-06-2	1,2-DICHLOROETHANE											
	78-87-5	1,2-DICHLOROPROPANE											
	108-67-8	1,3,5-TRIMETHYLBENZENE											
	541-73-1	1,3-DICHLOROBENZENE											
	142-28-9	1,3-DICHLOROPROPANE											
	106-46-7	1,4-DICHLOROBENZENE											
	594-20-7	2,2-DICHLOROPROPANE											
	78-93-3	2-BUTANONE											
	95-49-8	2-CHLOROTOLUENE											
	591-78-6	2-HEXANONE											
	106-43-4	4-CHLOROTOLUENE											
	67-64-1	ACETONE											
	71-43-2	BENZENE											
	108-86-1	BROMOBENZENE											
	74-97-5	BROMOCHLOROMETHANE											
	75-27-4	BROMODICHLOROMETHANE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	75-25-2	BROMOFORM											
	74-83-9	BROMOMETHANE											
	75-15-0	CARBON DISULFIDE											
	56-23-5	CARBON TETRACHLORIDE											
	108-90-7	CHLOROBENZENE											
	75-00-3	CHLOROETHANE											
	67-66-3	CHLOROFORM											
	74-87-3	CHLOROMETHANE											
	156-59-2	CIS-1,2-DICHLOROETHENE											
	10061-01-5	CIS-1,3-DICHLOROPROPENE											
	124-48-1	DIBROMOCHLOROMETHANE											
	74-95-3	DIBROMOMETHANE											
	75-71-8	DICHLORODIFLUOROMETHANE											
	100-41-4	ETHYLBENZENE											
	76-13-1	FREON113											
	87-68-3	HEXACHLOROBUTADIENE											
	98-82-8	Isopropyl Benzene											
	136777-61-2	M,P-XYLENES											
	75-09-2	METHYLENE CHLORIDE											
	108-10-1	MIBK											
	1634-04-4	MTBE											
	91-20-3	NAPHTHALENE											
	104-51-8	N-BUTYLBENZENE											
	103-65-1	N-PROPYLBENZENE											
	95-47-6	O-XYLENE											
	99-87-6	P-ISOPROPYLTOLUENE											
	135-98-8	SEC-BUTYLBENZENE											
	100-42-5	STYRENE											
	98-06-6	TERT-BUTYLBENZENE											
	127-18-4	TETRACHLOROETHENE											
	108-88-3	TOLUENE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	156-60-5	TRANS-1,2-DICHLOROETHENE											
	10061-02-6	TRANS-1,3-DICHLOROPROPENE											
	79-01-6	TRICHLOROETHENE											
	75-69-4	TRICHLOROFLUOROMETHANE											
	108-05-4	VINYL ACETATE											
	75-01-4	VINYL CHLORIDE											
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
RSK175	1333-74-0	HYDROGEN											
	74-82-8	METHANE											

Library Validation Criteria: Inorganic Instrument Calibration

Library Group ID : ECO_BrownandBryant_121114 All Inorganic methods

			Initial Calibration			Initial Calibration Verification					Continuing Calibration Verification				
							Percent Recovery					Percent Recovery			
Analytical Method	**Client Analyte ID**	**Analyte Name**	**RRF**	**%RSD**	**Corr Co**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**
300.0	17778-88-0	Nitrate-N													
	14797-65-0	Nitrite-N													
	14808-79-8	SULFATE													
415.1	E-10195	TOC													
SM4500S2D	18496-25-8	SULFIDE													

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z

Reason Code Library: Example 2

Category	Code
Low Bias Indicator	L
High Bias Indicator	H
Temperature	1
Holding Times	
Sampling to Analysis	3
Sampling to Extraction	4
Extaction to Analysis	5
Method Blanks	6
Surrogate Recovery	7
MS/MSD	
MS/MSD Recovery	8
MS/MSD RPD	9
LCS	
LCS Recovery	10
LCS RPD	11
Reporting Limits	12
Field QC	
Field Blank	13
Equipment Blank	14
Trip Blank	15
Field Duplicate	16

Category	Code
Initial Calibration	
Initial Calibration RRF	17
Initial Calibration RSD	18
Initial Calibration Cor. Coef	19
Initial Calibration Verification	
Initial Calibration Verificaton RRF	20
Initial CalibrationVerification %D	21
Continuing Calibration	
Continuing Calibraiton RRF	22
Continuing Calibration %D	23
GC/MS Tune	
GC/MS Tune for Initial Calibration	24
GC/MS Tune for Continuing Calibration	25
Laboratory Duplicate	26

EDD Non-Conformance Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	995
0005	0
0006	0
0007	0
0008	0
0009	0
0010	0
0011	0
0012	0
0013	0
0014	0
0015	0
0016	0
0017	0
0018	0
0019	0

Type	Count
0020	0
0021	0
0022	0
0023	0
0024	0
0025	2
0026	0
0027	0
0028	0
0029	0
0030	0
0031	0
0032	0
0033	0
0034	0
0035	0
0036	0
0037	0
0038	0

Total : 997

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1	Reporting_Limit_Type	0004	RL		
A1	2	Reporting_Limit_Type	0004	RL		
A1	3	Reporting_Limit_Type	0004	RL		
A1	4	Reporting_Limit_Type	0004	RL		
A1	5	Reporting_Limit_Type	0004	RL		
A1	6	Reporting_Limit_Type	0004	RL		
A1	7	Reporting_Limit_Type	0004	RL		
A1	8	Reporting_Limit_Type	0004	RL		
A1	9	Reporting_Limit_Type	0004	RL		
A1	10	Reporting_Limit_Type	0004	RL		
A1	11	Reporting_Limit_Type	0004	RL		
A1	12	Reporting_Limit_Type	0004	RL		
A1	13	Reporting_Limit_Type	0004	RL		
A1	14	Reporting_Limit_Type	0004	RL		
A1	15	Reporting_Limit_Type	0004	RL		
A1	16	Reporting_Limit_Type	0004	RL		
A1	17	Reporting_Limit_Type	0004	RL		
A1	18	Reporting_Limit_Type	0004	RL		
A1	19	Reporting_Limit_Type	0004	RL		
A1	20	Reporting_Limit_Type	0004	RL		
A1	21	Reporting_Limit_Type	0004	RL		
A1	22	Reporting_Limit_Type	0004	RL		
A1	23	Reporting_Limit_Type	0004	RL		
A1	24	Reporting_Limit_Type	0004	RL		
A1	25	Reporting_Limit_Type	0004	RL		
A1	26	Reporting_Limit_Type	0004	RL		
A1	27	Reporting_Limit_Type	0004	RL		
A1	28	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	29	Reporting_Limit_Type	0004 RL		
A1	30	Reporting_Limit_Type	0004 RL		
A1	31	Reporting_Limit_Type	0004 RL		
A1	32	Reporting_Limit_Type	0004 RL		
A1	33	Reporting_Limit_Type	0004 RL		
A1	34	Reporting_Limit_Type	0004 RL		
A1	35	Reporting_Limit_Type	0004 RL		
A1	36	Reporting_Limit_Type	0004 RL		
A1	37	Reporting_Limit_Type	0004 RL		
A1	38	Reporting_Limit_Type	0004 RL		
A1	39	Reporting_Limit_Type	0004 RL		
A1	40	Reporting_Limit_Type	0004 RL		
A1	41	Reporting_Limit_Type	0004 RL		
A1	42	Reporting_Limit_Type	0004 RL		
A1	43	Reporting_Limit_Type	0004 RL		
A1	44	Reporting_Limit_Type	0004 RL		
A1	45	Reporting_Limit_Type	0004 RL		
A1	46	Reporting_Limit_Type	0004 RL		
A1	47	Reporting_Limit_Type	0004 RL		
A1	48	Reporting_Limit_Type	0004 RL		
A1	49	Reporting_Limit_Type	0004 RL		
A1	50	Reporting_Limit_Type	0004 RL		
A1	51	Reporting_Limit_Type	0004 RL		
A1	52	Reporting_Limit_Type	0004 RL		
A1	53	Reporting_Limit_Type	0004 RL		
A1	54	Reporting_Limit_Type	0004 RL		
A1	55	Reporting_Limit_Type	0004 RL		
A1	56	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	57	Reporting_Limit_Type	0004	RL		
A1	58	Reporting_Limit_Type	0004	RL		
A1	59	Reporting_Limit_Type	0004	RL		
A1	60	Reporting_Limit_Type	0004	RL		
A1	61	Reporting_Limit_Type	0004	RL		
A1	62	Reporting_Limit_Type	0004	RL		
A1	63	Reporting_Limit_Type	0004	RL		
A1	64	Reporting_Limit_Type	0004	RL		
A1	65	Reporting_Limit_Type	0004	RL		
A1	66	Reporting_Limit_Type	0004	RL		
A1	67	Reporting_Limit_Type	0004	RL		
A1	68	Reporting_Limit_Type	0004	RL		
A1	69	Reporting_Limit_Type	0004	RL		
A1	70	Reporting_Limit_Type	0004	RL		
A1	71	Reporting_Limit_Type	0004	RL		
A1	72	Reporting_Limit_Type	0004	RL		
A1	73	Reporting_Limit_Type	0004	RL		
A1	74	Reporting_Limit_Type	0004	RL		
A1	75	Reporting_Limit_Type	0004	RL		
A1	76	Reporting_Limit_Type	0004	RL		
A1	77	Reporting_Limit_Type	0004	RL		
A1	78	Reporting_Limit_Type	0004	RL		
A1	79	Reporting_Limit_Type	0004	RL		
A1	80	Reporting_Limit_Type	0004	RL		
A1	81	Reporting_Limit_Type	0004	RL		
A1	82	Reporting_Limit_Type	0004	RL		
A1	83	Reporting_Limit_Type	0004	RL		
A1	84	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	85	Reporting_Limit_Type	0004	RL		
A1	86	Reporting_Limit_Type	0004	RL		
A1	87	Reporting_Limit_Type	0004	RL		
A1	88	Reporting_Limit_Type	0004	RL		
A1	89	Reporting_Limit_Type	0004	RL		
A1	90	Reporting_Limit_Type	0004	RL		
A1	91	Reporting_Limit_Type	0004	RL		
A1	92	Reporting_Limit_Type	0004	RL		
A1	93	Reporting_Limit_Type	0004	RL		
A1	94	Reporting_Limit_Type	0004	RL		
A1	95	Reporting_Limit_Type	0004	RL		
A1	96	Reporting_Limit_Type	0004	RL		
A1	97	Reporting_Limit_Type	0004	RL		
A1	98	Reporting_Limit_Type	0004	RL		
A1	99	Reporting_Limit_Type	0004	RL		
A1	100	Reporting_Limit_Type	0004	RL		
A1	101	Reporting_Limit_Type	0004	RL		
A1	102	Reporting_Limit_Type	0004	RL		
A1	103	Reporting_Limit_Type	0004	RL		
A1	104	Reporting_Limit_Type	0004	RL		
A1	105	Reporting_Limit_Type	0004	RL		
A1	106	Reporting_Limit_Type	0004	RL		
A1	107	Reporting_Limit_Type	0004	RL		
A1	108	Reporting_Limit_Type	0004	RL		
A1	109	Reporting_Limit_Type	0004	RL		
A1	110	Reporting_Limit_Type	0004	RL		
A1	111	Reporting_Limit_Type	0004	RL		
A1	112	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	113	Reporting_Limit_Type	0004 RL		
A1	114	Reporting_Limit_Type	0004 RL		
A1	115	Reporting_Limit_Type	0004 RL		
A1	116	Reporting_Limit_Type	0004 RL		
A1	117	Reporting_Limit_Type	0004 RL		
A1	118	Reporting_Limit_Type	0004 RL		
A1	119	Reporting_Limit_Type	0004 RL		
A1	120	Reporting_Limit_Type	0004 RL		
A1	121	Reporting_Limit_Type	0004 RL		
A1	122	Reporting_Limit_Type	0004 RL		
A1	123	Reporting_Limit_Type	0004 RL		
A1	124	Reporting_Limit_Type	0004 RL		
A1	125	Reporting_Limit_Type	0004 RL		
A1	126	Reporting_Limit_Type	0004 RL		
A1	127	Reporting_Limit_Type	0004 RL		
A1	128	Reporting_Limit_Type	0004 RL		
A1	129	Reporting_Limit_Type	0004 RL		
A1	130	Reporting_Limit_Type	0004 RL		
A1	131	Reporting_Limit_Type	0004 RL		
A1	132	Reporting_Limit_Type	0004 RL		
A1	133	Reporting_Limit_Type	0004 RL		
A1	134	Reporting_Limit_Type	0004 RL		
A1	135	Reporting_Limit_Type	0004 RL		
A1	136	Reporting_Limit_Type	0004 RL		
A1	137	Reporting_Limit_Type	0004 RL		
A1	138	Reporting_Limit_Type	0004 RL		
A1	139	Reporting_Limit_Type	0004 RL		
A1	140	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	141	Reporting_Limit_Type	0004	RL		
A1	142	Reporting_Limit_Type	0004	RL		
A1	143	Reporting_Limit_Type	0004	RL		
A1	144	Reporting_Limit_Type	0004	RL		
A1	145	Reporting_Limit_Type	0004	RL		
A1	146	Reporting_Limit_Type	0004	RL		
A1	147	Reporting_Limit_Type	0004	RL		
A1	148	Reporting_Limit_Type	0004	RL		
A1	149	Reporting_Limit_Type	0004	RL		
A1	150	Reporting_Limit_Type	0004	RL		
A1	151	Reporting_Limit_Type	0004	RL		
A1	152	Reporting_Limit_Type	0004	RL		
A1	153	Reporting_Limit_Type	0004	RL		
A1	154	Reporting_Limit_Type	0004	RL		
A1	155	Reporting_Limit_Type	0004	RL		
A1	156	Reporting_Limit_Type	0004	RL		
A1	157	Reporting_Limit_Type	0004	RL		
A1	158	Reporting_Limit_Type	0004	RL		
A1	159	Reporting_Limit_Type	0004	RL		
A1	160	Reporting_Limit_Type	0004	RL		
A1	161	Reporting_Limit_Type	0004	RL		
A1	162	Reporting_Limit_Type	0004	RL		
A1	163	Reporting_Limit_Type	0004	RL		
A1	164	Reporting_Limit_Type	0004	RL		
A1	165	Reporting_Limit_Type	0004	RL		
A1	166	Reporting_Limit_Type	0004	RL		
A1	167	Reporting_Limit_Type	0004	RL		
A1	168	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	169	Reporting_Limit_Type	0004 RL		
A1	170	Reporting_Limit_Type	0004 RL		
A1	171	Reporting_Limit_Type	0004 RL		
A1	172	Reporting_Limit_Type	0004 RL		
A1	173	Reporting_Limit_Type	0004 RL		
A1	174	Reporting_Limit_Type	0004 RL		
A1	175	Reporting_Limit_Type	0004 RL		
A1	176	Reporting_Limit_Type	0004 RL		
A1	177	Reporting_Limit_Type	0004 RL		
A1	178	Reporting_Limit_Type	0004 RL		
A1	179	Reporting_Limit_Type	0004 RL		
A1	180	Reporting_Limit_Type	0004 RL		
A1	181	Reporting_Limit_Type	0004 RL		
A1	182	Reporting_Limit_Type	0004 RL		
A1	183	Reporting_Limit_Type	0004 RL		
A1	184	Reporting_Limit_Type	0004 RL		
A1	185	Reporting_Limit_Type	0004 RL		
A1	186	Reporting_Limit_Type	0004 RL		
A1	187	Reporting_Limit_Type	0004 RL		
A1	188	Reporting_Limit_Type	0004 RL		
A1	189	Reporting_Limit_Type	0004 RL		
A1	190	Reporting_Limit_Type	0004 RL		
A1	191	Reporting_Limit_Type	0004 RL		
A1	192	Reporting_Limit_Type	0004 RL		
A1	193	Reporting_Limit_Type	0004 RL		
A1	194	Reporting_Limit_Type	0004 RL		
A1	195	Reporting_Limit_Type	0004 RL		
A1	196	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	197	Reporting_Limit_Type	0004 RL		
A1	198	Reporting_Limit_Type	0004 RL		
A1	199	Reporting_Limit_Type	0004 RL		
A1	200	Reporting_Limit_Type	0004 RL		
A1	201	Reporting_Limit_Type	0004 RL		
A1	202	Reporting_Limit_Type	0004 RL		
A1	203	Reporting_Limit_Type	0004 RL		
A1	204	Reporting_Limit_Type	0004 RL		
A1	205	Reporting_Limit_Type	0004 RL		
A1	206	Reporting_Limit_Type	0004 RL		
A1	207	Reporting_Limit_Type	0004 RL		
A1	208	Reporting_Limit_Type	0004 RL		
A1	209	Reporting_Limit_Type	0004 RL		
A1	210	Reporting_Limit_Type	0004 RL		
A1	211	Reporting_Limit_Type	0004 RL		
A1	212	Reporting_Limit_Type	0004 RL		
A1	213	Reporting_Limit_Type	0004 RL		
A1	214	Reporting_Limit_Type	0004 RL		
A1	215	Reporting_Limit_Type	0004 RL		
A1	216	Reporting_Limit_Type	0004 RL		
A1	217	Reporting_Limit_Type	0004 RL		
A1	218	Reporting_Limit_Type	0004 RL		
A1	219	Reporting_Limit_Type	0004 RL		
A1	220	Reporting_Limit_Type	0004 RL		
A1	221	Reporting_Limit_Type	0004 RL		
A1	222	Reporting_Limit_Type	0004 RL		
A1	223	Reporting_Limit_Type	0004 RL		
A1	224	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	225	Reporting_Limit_Type	0004	RL		
A1	226	Reporting_Limit_Type	0004	RL		
A1	227	Reporting_Limit_Type	0004	RL		
A1	228	Reporting_Limit_Type	0004	RL		
A1	229	Reporting_Limit_Type	0004	RL		
A1	230	Reporting_Limit_Type	0004	RL		
A1	231	Reporting_Limit_Type	0004	RL		
A1	232	Reporting_Limit_Type	0004	RL		
A1	233	Reporting_Limit_Type	0004	RL		
A1	234	Reporting_Limit_Type	0004	RL		
A1	235	Reporting_Limit_Type	0004	RL		
A1	236	Reporting_Limit_Type	0004	RL		
A1	237	Reporting_Limit_Type	0004	RL		
A1	238	Reporting_Limit_Type	0004	RL		
A1	239	Reporting_Limit_Type	0004	RL		
A1	240	Reporting_Limit_Type	0004	RL		
A1	241	Reporting_Limit_Type	0004	RL		
A1	242	Reporting_Limit_Type	0004	RL		
A1	243	Reporting_Limit_Type	0004	RL		
A1	244	Reporting_Limit_Type	0004	RL		
A1	245	Reporting_Limit_Type	0004	RL		
A1	246	Reporting_Limit_Type	0004	RL		
A1	247	Reporting_Limit_Type	0004	RL		
A1	248	Reporting_Limit_Type	0004	RL		
A1	249	Reporting_Limit_Type	0004	RL		
A1	250	Reporting_Limit_Type	0004	RL		
A1	251	Reporting_Limit_Type	0004	RL		
A1	252	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	253	Reporting_Limit_Type	0004	RL		
A1	254	Reporting_Limit_Type	0004	RL		
A1	255	Reporting_Limit_Type	0004	RL		
A1	256	Reporting_Limit_Type	0004	RL		
A1	257	Reporting_Limit_Type	0004	RL		
A1	258	Reporting_Limit_Type	0004	RL		
A1	259	Reporting_Limit_Type	0004	RL		
A1	260	Reporting_Limit_Type	0004	RL		
A1	261	Reporting_Limit_Type	0004	RL		
A1	262	Reporting_Limit_Type	0004	RL		
A1	263	Reporting_Limit_Type	0004	RL		
A1	264	Reporting_Limit_Type	0004	RL		
A1	265	Reporting_Limit_Type	0004	RL		
A1	266	Reporting_Limit_Type	0004	RL		
A1	267	Reporting_Limit_Type	0004	RL		
A1	268	Reporting_Limit_Type	0004	RL		
A1	269	Reporting_Limit_Type	0004	RL		
A1	270	Reporting_Limit_Type	0004	RL		
A1	271	Reporting_Limit_Type	0004	RL		
A1	272	Reporting_Limit_Type	0004	RL		
A1	273	Reporting_Limit_Type	0004	RL		
A1	274	Reporting_Limit_Type	0004	RL		
A1	275	Reporting_Limit_Type	0004	RL		
A1	276	Reporting_Limit_Type	0004	RL		
A1	277	Reporting_Limit_Type	0004	RL		
A1	278	Reporting_Limit_Type	0004	RL		
A1	279	Reporting_Limit_Type	0004	RL		
A1	280	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	281	Reporting_Limit_Type	0004	RL		
A1	282	Reporting_Limit_Type	0004	RL		
A1	283	Reporting_Limit_Type	0004	RL		
A1	284	Reporting_Limit_Type	0004	RL		
A1	285	Reporting_Limit_Type	0004	RL		
A1	286	Reporting_Limit_Type	0004	RL		
A1	287	Reporting_Limit_Type	0004	RL		
A1	288	Reporting_Limit_Type	0004	RL		
A1	289	Reporting_Limit_Type	0004	RL		
A1	290	Reporting_Limit_Type	0004	RL		
A1	291	Reporting_Limit_Type	0004	RL		
A1	292	Reporting_Limit_Type	0004	RL		
A1	293	Reporting_Limit_Type	0004	RL		
A1	294	Reporting_Limit_Type	0004	RL		
A1	295	Reporting_Limit_Type	0004	RL		
A1	296	Reporting_Limit_Type	0004	RL		
A1	297	Reporting_Limit_Type	0004	RL		
A1	298	Reporting_Limit_Type	0004	RL		
A1	299	Reporting_Limit_Type	0004	RL		
A1	300	Reporting_Limit_Type	0004	RL		
A1	301	Reporting_Limit_Type	0004	RL		
A1	302	Reporting_Limit_Type	0004	RL		
A1	303	Reporting_Limit_Type	0004	RL		
A1	304	Reporting_Limit_Type	0004	RL		
A1	305	Reporting_Limit_Type	0004	RL		
A1	306	Reporting_Limit_Type	0004	RL		
A1	307	Reporting_Limit_Type	0004	RL		
A1	308	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	309	Reporting_Limit_Type	0004	RL		
A1	310	Reporting_Limit_Type	0004	RL		
A1	311	Reporting_Limit_Type	0004	RL		
A1	312	Reporting_Limit_Type	0004	RL		
A1	313	Reporting_Limit_Type	0004	RL		
A1	314	Reporting_Limit_Type	0004	RL		
A1	315	Reporting_Limit_Type	0004	RL		
A1	316	Reporting_Limit_Type	0004	RL		
A1	317	Reporting_Limit_Type	0004	RL		
A1	318	Reporting_Limit_Type	0004	RL		
A1	319	Reporting_Limit_Type	0004	RL		
A1	320	Reporting_Limit_Type	0004	RL		
A1	321	Reporting_Limit_Type	0004	RL		
A1	322	Reporting_Limit_Type	0004	RL		
A1	323	Reporting_Limit_Type	0004	RL		
A1	324	Reporting_Limit_Type	0004	RL		
A1	325	Reporting_Limit_Type	0004	RL		
A1	326	Reporting_Limit_Type	0004	RL		
A1	327	Reporting_Limit_Type	0004	RL		
A1	328	Reporting_Limit_Type	0004	RL		
A1	329	Reporting_Limit_Type	0004	RL		
A1	330	Reporting_Limit_Type	0004	RL		
A1	331	Reporting_Limit_Type	0004	RL		
A1	332	Reporting_Limit_Type	0004	RL		
A1	333	Reporting_Limit_Type	0004	RL		
A1	334	Reporting_Limit_Type	0004	RL		
A1	335	Reporting_Limit_Type	0004	RL		
A1	336	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	337	Reporting_Limit_Type	0004 RL		
A1	338	Reporting_Limit_Type	0004 RL		
A1	339	Reporting_Limit_Type	0004 RL		
A1	340	Reporting_Limit_Type	0004 RL		
A1	341	Reporting_Limit_Type	0004 RL		
A1	342	Reporting_Limit_Type	0004 RL		
A1	343	Reporting_Limit_Type	0004 RL		
A1	344	Reporting_Limit_Type	0004 RL		
A1	345	Reporting_Limit_Type	0004 RL		
A1	346	Reporting_Limit_Type	0004 RL		
A1	347	Reporting_Limit_Type	0004 RL		
A1	348	Reporting_Limit_Type	0004 RL		
A1	349	Reporting_Limit_Type	0004 RL		
A1	350	Reporting_Limit_Type	0004 RL		
A1	351	Reporting_Limit_Type	0004 RL		
A1	352	Reporting_Limit_Type	0004 RL		
A1	353	Reporting_Limit_Type	0004 RL		
A1	354	Reporting_Limit_Type	0004 RL		
A1	355	Reporting_Limit_Type	0004 RL		
A1	356	Reporting_Limit_Type	0004 RL		
A1	357	Reporting_Limit_Type	0004 RL		
A1	358	Reporting_Limit_Type	0004 RL		
A1	359	Reporting_Limit_Type	0004 RL		
A1	360	Reporting_Limit_Type	0004 RL		
A1	361	Reporting_Limit_Type	0004 RL		
A1	362	Reporting_Limit_Type	0004 RL		
A1	363	Reporting_Limit_Type	0004 RL		
A1	364	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	365	Reporting_Limit_Type	0004	RL		
A1	366	Reporting_Limit_Type	0004	RL		
A1	367	Reporting_Limit_Type	0004	RL		
A1	368	Reporting_Limit_Type	0004	RL		
A1	369	Reporting_Limit_Type	0004	RL		
A1	370	Reporting_Limit_Type	0004	RL		
A1	371	Reporting_Limit_Type	0004	RL		
A1	372	Reporting_Limit_Type	0004	RL		
A1	373	Reporting_Limit_Type	0004	RL		
A1	374	Reporting_Limit_Type	0004	RL		
A1	375	Reporting_Limit_Type	0004	RL		
A1	376	Reporting_Limit_Type	0004	RL		
A1	377	Reporting_Limit_Type	0004	RL		
A1	378	Reporting_Limit_Type	0004	RL		
A1	379	Reporting_Limit_Type	0004	RL		
A1	380	Reporting_Limit_Type	0004	RL		
A1	381	Reporting_Limit_Type	0004	RL		
A1	382	Reporting_Limit_Type	0004	RL		
A1	383	Reporting_Limit_Type	0004	RL		
A1	384	Reporting_Limit_Type	0004	RL		
A1	385	Reporting_Limit_Type	0004	RL		
A1	386	Reporting_Limit_Type	0004	RL		
A1	387	Reporting_Limit_Type	0004	RL		
A1	388	Reporting_Limit_Type	0004	RL		
A1	389	Reporting_Limit_Type	0004	RL		
A1	390	Reporting_Limit_Type	0004	RL		
A1	391	Reporting_Limit_Type	0004	RL		
A1	392	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	393	Reporting_Limit_Type	0004	RL		
A1	394	Reporting_Limit_Type	0004	RL		
A1	395	Reporting_Limit_Type	0004	RL		
A1	396	Reporting_Limit_Type	0004	RL		
A1	397	Reporting_Limit_Type	0004	RL		
A1	398	Reporting_Limit_Type	0004	RL		
A1	399	Reporting_Limit_Type	0004	RL		
A1	400	Reporting_Limit_Type	0004	RL		
A1	401	Reporting_Limit_Type	0004	RL		
A1	402	Reporting_Limit_Type	0004	RL		
A1	403	Reporting_Limit_Type	0004	RL		
A1	404	Reporting_Limit_Type	0004	RL		
A1	405	Reporting_Limit_Type	0004	RL		
A1	406	Reporting_Limit_Type	0004	RL		
A1	407	Reporting_Limit_Type	0004	RL		
A1	408	Reporting_Limit_Type	0004	RL		
A1	409	Reporting_Limit_Type	0004	RL		
A1	410	Reporting_Limit_Type	0004	RL		
A1	411	Reporting_Limit_Type	0004	RL		
A1	412	Reporting_Limit_Type	0004	RL		
A1	413	Reporting_Limit_Type	0004	RL		
A1	414	Reporting_Limit_Type	0004	RL		
A1	415	Reporting_Limit_Type	0004	RL		
A1	416	Reporting_Limit_Type	0004	RL		
A1	417	Reporting_Limit_Type	0004	RL		
A1	418	Reporting_Limit_Type	0004	RL		
A1	419	Reporting_Limit_Type	0004	RL		
A1	420	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	421	Reporting_Limit_Type	0004	RL		
A1	422	Reporting_Limit_Type	0004	RL		
A1	423	Reporting_Limit_Type	0004	RL		
A1	424	Reporting_Limit_Type	0004	RL		
A1	425	Reporting_Limit_Type	0004	RL		
A1	426	Reporting_Limit_Type	0004	RL		
A1	427	Reporting_Limit_Type	0004	RL		
A1	428	Reporting_Limit_Type	0004	RL		
A1	429	Reporting_Limit_Type	0004	RL		
A1	430	Reporting_Limit_Type	0004	RL		
A1	431	Reporting_Limit_Type	0004	RL		
A1	432	Reporting_Limit_Type	0004	RL		
A1	433	Reporting_Limit_Type	0004	RL		
A1	434	Reporting_Limit_Type	0004	RL		
A1	435	Reporting_Limit_Type	0004	RL		
A1	436	Reporting_Limit_Type	0004	RL		
A1	437	Reporting_Limit_Type	0004	RL		
A1	438	Reporting_Limit_Type	0004	RL		
A1	439	Reporting_Limit_Type	0004	RL		
A1	440	Reporting_Limit_Type	0004	RL		
A1	441	Reporting_Limit_Type	0004	RL		
A1	442	Reporting_Limit_Type	0004	RL		
A1	443	Reporting_Limit_Type	0004	RL		
A1	444	Reporting_Limit_Type	0004	RL		
A1	445	Reporting_Limit_Type	0004	RL		
A1	446	Reporting_Limit_Type	0004	RL		
A1	447	Reporting_Limit_Type	0004	RL		
A1	448	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	449	Reporting_Limit_Type	0004 RL		
A1	450	Reporting_Limit_Type	0004 RL		
A1	451	Reporting_Limit_Type	0004 RL		
A1	452	Reporting_Limit_Type	0004 RL		
A1	453	Reporting_Limit_Type	0004 RL		
A1	454	Reporting_Limit_Type	0004 RL		
A1	455	Reporting_Limit_Type	0004 RL		
A1	456	Reporting_Limit_Type	0004 RL		
A1	457	Reporting_Limit_Type	0004 RL		
A1	458	Reporting_Limit_Type	0004 RL		
A1	459	Reporting_Limit_Type	0004 RL		
A1	460	Reporting_Limit_Type	0004 RL		
A1	461	Reporting_Limit_Type	0004 RL		
A1	462	Reporting_Limit_Type	0004 RL		
A1	463	Reporting_Limit_Type	0004 RL		
A1	464	Reporting_Limit_Type	0004 RL		
A1	465	Reporting_Limit_Type	0004 RL		
A1	466	Reporting_Limit_Type	0004 RL		
A1	467	Reporting_Limit_Type	0004 RL		
A1	468	Reporting_Limit_Type	0004 RL		
A1	469	Reporting_Limit_Type	0004 RL		
A1	470	Reporting_Limit_Type	0004 RL		
A1	471	Reporting_Limit_Type	0004 RL		
A1	472	Reporting_Limit_Type	0004 RL		
A1	473	Reporting_Limit_Type	0004 RL		
A1	474	Reporting_Limit_Type	0004 RL		
A1	475	Reporting_Limit_Type	0004 RL		
A1	476	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	477	Reporting_Limit_Type	0004	RL		
A1	478	Reporting_Limit_Type	0004	RL		
A1	479	Reporting_Limit_Type	0004	RL		
A1	480	Reporting_Limit_Type	0004	RL		
A1	481	Reporting_Limit_Type	0004	RL		
A1	482	Reporting_Limit_Type	0004	RL		
A1	483	Reporting_Limit_Type	0004	RL		
A1	484	Reporting_Limit_Type	0004	RL		
A1	485	Reporting_Limit_Type	0004	RL		
A1	486	Reporting_Limit_Type	0004	RL		
A1	487	Reporting_Limit_Type	0004	RL		
A1	488	Reporting_Limit_Type	0004	RL		
A1	489	Reporting_Limit_Type	0004	RL		
A1	490	Reporting_Limit_Type	0004	RL		
A1	491	Reporting_Limit_Type	0004	RL		
A1	492	Reporting_Limit_Type	0004	RL		
A1	493	Reporting_Limit_Type	0004	RL		
A1	494	Reporting_Limit_Type	0004	RL		
A1	495	Reporting_Limit_Type	0004	RL		
A1	496	Reporting_Limit_Type	0004	RL		
A1	497	Reporting_Limit_Type	0004	RL		
A1	498	Reporting_Limit_Type	0004	RL		
A1	499	Reporting_Limit_Type	0004	RL		
A1	500	Reporting_Limit_Type	0004	RL		
A1	501	Reporting_Limit_Type	0004	RL		
A1	502	Reporting_Limit_Type	0004	RL		
A1	503	Reporting_Limit_Type	0004	RL		
A1	504	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	505	Reporting_Limit_Type	0004	RL		
A1	506	Reporting_Limit_Type	0004	RL		
A1	507	Reporting_Limit_Type	0004	RL		
A1	508	Reporting_Limit_Type	0004	RL		
A1	509	Reporting_Limit_Type	0004	RL		
A1	510	Reporting_Limit_Type	0004	RL		
A1	511	Reporting_Limit_Type	0004	RL		
A1	512	Reporting_Limit_Type	0004	RL		
A1	513	Reporting_Limit_Type	0004	RL		
A1	514	Reporting_Limit_Type	0004	RL		
A1	515	Reporting_Limit_Type	0004	RL		
A1	516	Reporting_Limit_Type	0004	RL		
A1	517	Reporting_Limit_Type	0004	RL		
A1	518	Reporting_Limit_Type	0004	RL		
A1	519	Reporting_Limit_Type	0004	RL		
A1	520	Reporting_Limit_Type	0004	RL		
A1	521	Reporting_Limit_Type	0004	RL		
A1	522	Reporting_Limit_Type	0004	RL		
A1	523	Reporting_Limit_Type	0004	RL		
A1	524	Reporting_Limit_Type	0004	RL		
A1	525	Reporting_Limit_Type	0004	RL		
A1	526	Reporting_Limit_Type	0004	RL		
A1	527	Reporting_Limit_Type	0004	RL		
A1	528	Reporting_Limit_Type	0004	RL		
A1	529	Reporting_Limit_Type	0004	RL		
A1	530	Reporting_Limit_Type	0004	RL		
A1	531	Reporting_Limit_Type	0004	RL		
A1	532	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	533	Reporting_Limit_Type	0004 RL		
A1	534	Reporting_Limit_Type	0004 RL		
A1	535	Reporting_Limit_Type	0004 RL		
A1	536	Reporting_Limit_Type	0004 RL		
A1	537	Reporting_Limit_Type	0004 RL		
A1	538	Reporting_Limit_Type	0004 RL		
A1	539	Reporting_Limit_Type	0004 RL		
A1	540	Reporting_Limit_Type	0004 RL		
A1	541	Reporting_Limit_Type	0004 RL		
A1	542	Reporting_Limit_Type	0004 RL		
A1	543	Reporting_Limit_Type	0004 RL		
A1	544	Reporting_Limit_Type	0004 RL		
A1	545	Reporting_Limit_Type	0004 RL		
A1	546	Reporting_Limit_Type	0004 RL		
A1	547	Reporting_Limit_Type	0004 RL		
A1	548	Reporting_Limit_Type	0004 RL		
A1	549	Reporting_Limit_Type	0004 RL		
A1	550	Reporting_Limit_Type	0004 RL		
A1	551	Reporting_Limit_Type	0004 RL		
A1	552	Reporting_Limit_Type	0004 RL		
A1	553	Reporting_Limit_Type	0004 RL		
A1	554	Reporting_Limit_Type	0004 RL		
A1	555	Reporting_Limit_Type	0004 RL		
A1	556	Reporting_Limit_Type	0004 RL		
A1	557	Reporting_Limit_Type	0004 RL		
A1	558	Reporting_Limit_Type	0004 RL		
A1	559	Reporting_Limit_Type	0004 RL		
A1	560	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	561	Reporting_Limit_Type	0004	RL		
A1	562	Reporting_Limit_Type	0004	RL		
A1	563	Reporting_Limit_Type	0004	RL		
A1	564	Reporting_Limit_Type	0004	RL		
A1	565	Reporting_Limit_Type	0004	RL		
A1	566	Reporting_Limit_Type	0004	RL		
A1	567	Reporting_Limit_Type	0004	RL		
A1	568	Reporting_Limit_Type	0004	RL		
A1	569	Reporting_Limit_Type	0004	RL		
A1	570	Reporting_Limit_Type	0004	RL		
A1	571	Reporting_Limit_Type	0004	RL		
A1	572	Reporting_Limit_Type	0004	RL		
A1	573	Reporting_Limit_Type	0004	RL		
A1	574	Reporting_Limit_Type	0004	RL		
A1	575	Reporting_Limit_Type	0004	RL		
A1	576	Reporting_Limit_Type	0004	RL		
A1	577	Reporting_Limit_Type	0004	RL		
A1	578	Reporting_Limit_Type	0004	RL		
A1	579	Reporting_Limit_Type	0004	RL		
A1	580	Reporting_Limit_Type	0004	RL		
A1	581	Reporting_Limit_Type	0004	RL		
A1	582	Reporting_Limit_Type	0004	RL		
A1	583	Reporting_Limit_Type	0004	RL		
A1	584	Reporting_Limit_Type	0004	RL		
A1	585	Reporting_Limit_Type	0004	RL		
A1	586	Reporting_Limit_Type	0004	RL		
A1	587	Reporting_Limit_Type	0004	RL		
A1	588	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	589	Reporting_Limit_Type	0004 RL		
A1	590	Reporting_Limit_Type	0004 RL		
A1	591	Reporting_Limit_Type	0004 RL		
A1	592	Reporting_Limit_Type	0004 RL		
A1	593	Reporting_Limit_Type	0004 RL		
A1	594	Reporting_Limit_Type	0004 RL		
A1	595	Reporting_Limit_Type	0004 RL		
A1	596	Reporting_Limit_Type	0004 RL		
A1	597	Reporting_Limit_Type	0004 RL		
A1	598	Reporting_Limit_Type	0004 RL		
A1	599	Reporting_Limit_Type	0004 RL		
A1	600	Reporting_Limit_Type	0004 RL		
A1	601	Reporting_Limit_Type	0004 RL		
A1	602	Reporting_Limit_Type	0004 RL		
A1	603	Reporting_Limit_Type	0004 RL		
A1	604	Reporting_Limit_Type	0004 RL		
A1	605	Reporting_Limit_Type	0004 RL		
A1	606	Reporting_Limit_Type	0004 RL		
A1	607	Reporting_Limit_Type	0004 RL		
A1	608	Reporting_Limit_Type	0004 RL		
A1	609	Reporting_Limit_Type	0004 RL		
A1	610	Reporting_Limit_Type	0004 RL		
A1	611	Reporting_Limit_Type	0004 RL		
A1	612	Reporting_Limit_Type	0004 RL		
A1	613	Reporting_Limit_Type	0004 RL		
A1	614	Reporting_Limit_Type	0004 RL		
A1	615	Reporting_Limit_Type	0004 RL		
A1	616	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	617	Reporting_Limit_Type	0004	RL		
A1	618	Reporting_Limit_Type	0004	RL		
A1	619	Reporting_Limit_Type	0004	RL		
A1	620	Reporting_Limit_Type	0004	RL		
A1	621	Reporting_Limit_Type	0004	RL		
A1	622	Reporting_Limit_Type	0004	RL		
A1	623	Reporting_Limit_Type	0004	RL		
A1	624	Reporting_Limit_Type	0004	RL		
A1	625	Reporting_Limit_Type	0004	RL		
A1	626	Reporting_Limit_Type	0004	RL		
A1	627	Reporting_Limit_Type	0004	RL		
A1	628	Reporting_Limit_Type	0004	RL		
A1	629	Reporting_Limit_Type	0004	RL		
A1	630	Reporting_Limit_Type	0004	RL		
A1	631	Reporting_Limit_Type	0004	RL		
A1	632	Reporting_Limit_Type	0004	RL		
A1	633	Reporting_Limit_Type	0004	RL		
A1	634	Reporting_Limit_Type	0004	RL		
A1	635	Reporting_Limit_Type	0004	RL		
A1	636	Reporting_Limit_Type	0004	RL		
A1	637	Reporting_Limit_Type	0004	RL		
A1	638	Reporting_Limit_Type	0004	RL		
A1	639	Reporting_Limit_Type	0004	RL		
A1	640	Reporting_Limit_Type	0004	RL		
A1	641	Reporting_Limit_Type	0004	RL		
A1	642	Reporting_Limit_Type	0004	RL		
A1	643	Reporting_Limit_Type	0004	RL		
A1	644	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	645	Reporting_Limit_Type	0004	RL		
A1	646	Reporting_Limit_Type	0004	RL		
A1	647	Reporting_Limit_Type	0004	RL		
A1	648	Reporting_Limit_Type	0004	RL		
A1	649	Reporting_Limit_Type	0004	RL		
A1	650	Reporting_Limit_Type	0004	RL		
A1	651	Reporting_Limit_Type	0004	RL		
A1	652	Reporting_Limit_Type	0004	RL		
A1	653	Reporting_Limit_Type	0004	RL		
A1	654	Reporting_Limit_Type	0004	RL		
A1	655	Reporting_Limit_Type	0004	RL		
A1	656	Reporting_Limit_Type	0004	RL		
A1	657	Reporting_Limit_Type	0004	RL		
A1	658	Reporting_Limit_Type	0004	RL		
A1	659	Reporting_Limit_Type	0004	RL		
A1	660	Reporting_Limit_Type	0004	RL		
A1	661	Reporting_Limit_Type	0004	RL		
A1	662	Reporting_Limit_Type	0004	RL		
A1	663	Reporting_Limit_Type	0004	RL		
A1	664	Reporting_Limit_Type	0004	RL		
A1	665	Reporting_Limit_Type	0004	RL		
A1	666	Reporting_Limit_Type	0004	RL		
A1	667	Reporting_Limit_Type	0004	RL		
A1	668	Reporting_Limit_Type	0004	RL		
A1	669	Reporting_Limit_Type	0004	RL		
A1	670	Reporting_Limit_Type	0004	RL		
A1	671	Reporting_Limit_Type	0004	RL		
A1	672	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	673	Reporting_Limit_Type	0004	RL		
A1	674	Reporting_Limit_Type	0004	RL		
A1	675	Reporting_Limit_Type	0004	RL		
A1	676	Reporting_Limit_Type	0004	RL		
A1	677	Reporting_Limit_Type	0004	RL		
A1	678	Reporting_Limit_Type	0004	RL		
A1	679	Reporting_Limit_Type	0004	RL		
A1	680	Reporting_Limit_Type	0004	RL		
A1	681	Reporting_Limit_Type	0004	RL		
A1	682	Reporting_Limit_Type	0004	RL		
A1	683	Reporting_Limit_Type	0004	RL		
A1	684	Reporting_Limit_Type	0004	RL		
A1	685	Reporting_Limit_Type	0004	RL		
A1	686	Reporting_Limit_Type	0004	RL		
A1	687	Reporting_Limit_Type	0004	RL		
A1	688	Reporting_Limit_Type	0004	RL		
A1	689	Reporting_Limit_Type	0004	RL		
A1	690	Reporting_Limit_Type	0004	RL		
A1	691	Reporting_Limit_Type	0004	RL		
A1	692	Reporting_Limit_Type	0004	RL		
A1	693	Reporting_Limit_Type	0004	RL		
A1	694	Reporting_Limit_Type	0004	RL		
A1	695	Reporting_Limit_Type	0004	RL		
A1	696	Reporting_Limit_Type	0004	RL		
A1	697	Reporting_Limit_Type	0004	RL		
A1	698	Reporting_Limit_Type	0004	RL		
A1	699	Reporting_Limit_Type	0004	RL		
A1	700	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	701	Reporting_Limit_Type	0004	RL		
A1	702	Reporting_Limit_Type	0004	RL		
A1	703	Reporting_Limit_Type	0004	RL		
A1	704	Reporting_Limit_Type	0004	RL		
A1	705	Reporting_Limit_Type	0004	RL		
A1	706	Reporting_Limit_Type	0004	RL		
A1	707	Reporting_Limit_Type	0004	RL		
A1	708	Reporting_Limit_Type	0004	RL		
A1	709	Reporting_Limit_Type	0004	RL		
A1	710	Reporting_Limit_Type	0004	RL		
A1	711	Reporting_Limit_Type	0004	RL		
A1	712	Reporting_Limit_Type	0004	RL		
A1	713	Reporting_Limit_Type	0004	RL		
A1	714	Reporting_Limit_Type	0004	RL		
A1	715	Reporting_Limit_Type	0004	RL		
A1	716	Reporting_Limit_Type	0004	RL		
A1	717	Reporting_Limit_Type	0004	RL		
A1	718	Reporting_Limit_Type	0004	RL		
A1	719	Reporting_Limit_Type	0004	RL		
A1	720	Reporting_Limit_Type	0004	RL		
A1	721	Reporting_Limit_Type	0004	RL		
A1	722	Reporting_Limit_Type	0004	RL		
A1	723	Reporting_Limit_Type	0004	RL		
A1	724	Reporting_Limit_Type	0004	RL		
A1	725	Reporting_Limit_Type	0004	RL		
A1	726	Reporting_Limit_Type	0004	RL		
A1	727	Reporting_Limit_Type	0004	RL		
A1	728	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	729	Reporting_Limit_Type	0004	RL		
A1	730	Reporting_Limit_Type	0004	RL		
A1	731	Reporting_Limit_Type	0004	RL		
A1	732	Reporting_Limit_Type	0004	RL		
A1	733	Reporting_Limit_Type	0004	RL		
A1	734	Reporting_Limit_Type	0004	RL		
A1	735	Reporting_Limit_Type	0004	RL		
A1	736	Reporting_Limit_Type	0004	RL		
A1	737	Reporting_Limit_Type	0004	RL		
A1	738	Reporting_Limit_Type	0004	RL		
A1	739	Reporting_Limit_Type	0004	RL		
A1	740	Reporting_Limit_Type	0004	RL		
A1	741	Reporting_Limit_Type	0004	RL		
A1	742	Reporting_Limit_Type	0004	RL		
A1	743	Reporting_Limit_Type	0004	RL		
A1	744	Reporting_Limit_Type	0004	RL		
A1	745	Reporting_Limit_Type	0004	RL		
A1	746	Reporting_Limit_Type	0004	RL		
A1	747	Reporting_Limit_Type	0004	RL		
A1	748	Reporting_Limit_Type	0004	RL		
A1	749	Reporting_Limit_Type	0004	RL		
A1	750	Reporting_Limit_Type	0004	RL		
A1	751	Reporting_Limit_Type	0004	RL		
A1	752	Reporting_Limit_Type	0004	RL		
A1	753	Reporting_Limit_Type	0004	RL		
A1	754	Reporting_Limit_Type	0004	RL		
A1	755	Reporting_Limit_Type	0004	RL		
A1	756	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	757	Reporting_Limit_Type	0004	RL		
A1	758	Reporting_Limit_Type	0004	RL		
A1	759	Reporting_Limit_Type	0004	RL		
A1	760	Reporting_Limit_Type	0004	RL		
A1	761	Reporting_Limit_Type	0004	RL		
A1	762	Reporting_Limit_Type	0004	RL		
A1	763	Reporting_Limit_Type	0004	RL		
A1	764	Reporting_Limit_Type	0004	RL		
A1	765	Reporting_Limit_Type	0004	RL		
A1	766	Reporting_Limit_Type	0004	RL		
A1	767	Reporting_Limit_Type	0004	RL		
A1	768	Reporting_Limit_Type	0004	RL		
A1	769	Reporting_Limit_Type	0004	RL		
A1	770	Reporting_Limit_Type	0004	RL		
A1	771	Reporting_Limit_Type	0004	RL		
A1	772	Reporting_Limit_Type	0004	RL		
A1	773	Reporting_Limit_Type	0004	RL		
A1	774	Reporting_Limit_Type	0004	RL		
A1	775	Reporting_Limit_Type	0004	RL		
A1	776	Reporting_Limit_Type	0004	RL		
A1	777	Reporting_Limit_Type	0004	RL		
A1	778	Reporting_Limit_Type	0004	RL		
A1	779	Reporting_Limit_Type	0004	RL		
A1	780	Reporting_Limit_Type	0004	RL		
A1	781	Reporting_Limit_Type	0004	RL		
A1	782	Reporting_Limit_Type	0004	RL		
A1	783	Reporting_Limit_Type	0004	RL		
A1	784	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	785	Reporting_Limit_Type	0004	RL		
A1	786	Reporting_Limit_Type	0004	RL		
A1	787	Reporting_Limit_Type	0004	RL		
A1	788	Reporting_Limit_Type	0004	RL		
A1	789	Reporting_Limit_Type	0004	RL		
A1	790	Reporting_Limit_Type	0004	RL		
A1	791	Reporting_Limit_Type	0004	RL		
A1	792	Reporting_Limit_Type	0004	RL		
A1	793	Reporting_Limit_Type	0004	RL		
A1	794	Reporting_Limit_Type	0004	RL		
A1	795	Reporting_Limit_Type	0004	RL		
A1	796	Reporting_Limit_Type	0004	RL		
A1	797	Reporting_Limit_Type	0004	RL		
A1	798	Reporting_Limit_Type	0004	RL		
A1	799	Reporting_Limit_Type	0004	RL		
A1	800	Reporting_Limit_Type	0004	RL		
A1	801	Reporting_Limit_Type	0004	RL		
A1	802	Reporting_Limit_Type	0004	RL		
A1	803	Reporting_Limit_Type	0004	RL		
A1	804	Reporting_Limit_Type	0004	RL		
A1	805	Reporting_Limit_Type	0004	RL		
A1	806	Reporting_Limit_Type	0004	RL		
A1	807	Reporting_Limit_Type	0004	RL		
A1	808	Reporting_Limit_Type	0004	RL		
A1	809	Reporting_Limit_Type	0004	RL		
A1	810	Reporting_Limit_Type	0004	RL		
A1	811	Reporting_Limit_Type	0004	RL		
A1	812	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	813	Reporting_Limit_Type	0004 RL		
A1	814	Reporting_Limit_Type	0004 RL		
A1	815	Reporting_Limit_Type	0004 RL		
A1	816	Reporting_Limit_Type	0004 RL		
A1	817	Reporting_Limit_Type	0004 RL		
A1	818	Reporting_Limit_Type	0004 RL		
A1	819	Reporting_Limit_Type	0004 RL		
A1	820	Reporting_Limit_Type	0004 RL		
A1	821	Reporting_Limit_Type	0004 RL		
A1	822	Reporting_Limit_Type	0004 RL		
A1	823	Reporting_Limit_Type	0004 RL		
A1	824	Reporting_Limit_Type	0004 RL		
A1	825	Reporting_Limit_Type	0004 RL		
A1	826	Reporting_Limit_Type	0004 RL		
A1	827	Reporting_Limit_Type	0004 RL		
A1	828	Reporting_Limit_Type	0004 RL		
A1	829	Reporting_Limit_Type	0004 RL		
A1	830	Reporting_Limit_Type	0004 RL		
A1	831	Reporting_Limit_Type	0004 RL		
A1	832	Reporting_Limit_Type	0004 RL		
A1	833	Reporting_Limit_Type	0004 RL		
A1	834	Reporting_Limit_Type	0004 RL		
A1	835	Reporting_Limit_Type	0004 RL		
A1	836	Reporting_Limit_Type	0004 RL		
A1	837	Reporting_Limit_Type	0004 RL		
A1	838	Reporting_Limit_Type	0004 RL		
A1	839	Reporting_Limit_Type	0004 RL		
A1	840	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	841	Reporting_Limit_Type	0004	RL		
A1	842	Reporting_Limit_Type	0004	RL		
A1	843	Reporting_Limit_Type	0004	RL		
A1	844	Reporting_Limit_Type	0004	RL		
A1	845	Reporting_Limit_Type	0004	RL		
A1	846	Reporting_Limit_Type	0004	RL		
A1	847	Reporting_Limit_Type	0004	RL		
A1	848	Reporting_Limit_Type	0004	RL		
A1	849	Reporting_Limit_Type	0004	RL		
A1	850	Reporting_Limit_Type	0004	RL		
A1	851	Reporting_Limit_Type	0004	RL		
A1	852	Reporting_Limit_Type	0004	RL		
A1	853	Reporting_Limit_Type	0004	RL		
A1	854	Reporting_Limit_Type	0004	RL		
A1	855	Reporting_Limit_Type	0004	RL		
A1	856	Reporting_Limit_Type	0004	RL		
A1	857	Reporting_Limit_Type	0004	RL		
A1	858	Reporting_Limit_Type	0004	RL		
A1	859	Reporting_Limit_Type	0004	RL		
A1	860	Reporting_Limit_Type	0004	RL		
A1	861	Reporting_Limit_Type	0004	RL		
A1	862	Reporting_Limit_Type	0004	RL		
A1	863	Reporting_Limit_Type	0004	RL		
A1	864	Reporting_Limit_Type	0004	RL		
A1	865	Reporting_Limit_Type	0004	RL		
A1	866	Reporting_Limit_Type	0004	RL		
A1	867	Reporting_Limit_Type	0004	RL		
A1	868	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	869	Reporting_Limit_Type	0004	RL		
A1	870	Reporting_Limit_Type	0004	RL		
A1	871	Reporting_Limit_Type	0004	RL		
A1	872	Reporting_Limit_Type	0004	RL		
A1	873	Reporting_Limit_Type	0004	RL		
A1	874	Reporting_Limit_Type	0004	RL		
A1	875	Reporting_Limit_Type	0004	RL		
A1	876	Reporting_Limit_Type	0004	RL		
A1	877	Reporting_Limit_Type	0004	RL		
A1	878	Reporting_Limit_Type	0004	RL		
A1	879	Reporting_Limit_Type	0004	RL		
A1	880	Reporting_Limit_Type	0004	RL		
A1	881	Reporting_Limit_Type	0004	RL		
A1	882	Reporting_Limit_Type	0004	RL		
A1	883	Reporting_Limit_Type	0004	RL		
A1	884	Reporting_Limit_Type	0004	RL		
A1	885	Reporting_Limit_Type	0004	RL		
A1	886	Reporting_Limit_Type	0004	RL		
A1	887	Reporting_Limit_Type	0004	RL		
A1	888	Reporting_Limit_Type	0004	RL		
A1	889	Reporting_Limit_Type	0004	RL		
A1	890	Reporting_Limit_Type	0004	RL		
A1	891	Reporting_Limit_Type	0004	RL		
A1	892	Reporting_Limit_Type	0004	RL		
A1	893	Reporting_Limit_Type	0004	RL		
A1	894	Reporting_Limit_Type	0004	RL		
A1	895	Reporting_Limit_Type	0004	RL		
A1	896	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	897	Reporting_Limit_Type	0004	RL		
A1	898	Reporting_Limit_Type	0004	RL		
A1	899	Reporting_Limit_Type	0004	RL		
A1	900	Reporting_Limit_Type	0004	RL		
A1	901	Reporting_Limit_Type	0004	RL		
A1	902	Reporting_Limit_Type	0004	RL		
A1	903	Reporting_Limit_Type	0004	RL		
A1	904	Reporting_Limit_Type	0004	RL		
A1	905	Reporting_Limit_Type	0004	RL		
A1	906	Reporting_Limit_Type	0004	RL		
A1	907	Reporting_Limit_Type	0004	RL		
A1	908	Reporting_Limit_Type	0004	RL		
A1	909	Reporting_Limit_Type	0004	RL		
A1	910	Reporting_Limit_Type	0004	RL		
A1	911	Reporting_Limit_Type	0004	RL		
A1	912	Reporting_Limit_Type	0004	RL		
A1	913	Reporting_Limit_Type	0004	RL		
A1	914	Reporting_Limit_Type	0004	RL		
A1	915	Reporting_Limit_Type	0004	RL		
A1	916	Reporting_Limit_Type	0004	RL		
A1	917	Reporting_Limit_Type	0004	RL		
A1	918	Reporting_Limit_Type	0004	RL		
A1	919	Reporting_Limit_Type	0004	RL		
A1	920	Reporting_Limit_Type	0004	RL		
A1	921	Reporting_Limit_Type	0004	RL		
A1	922	Reporting_Limit_Type	0004	RL		
A1	923	Reporting_Limit_Type	0004	RL		
A1	924	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	925	Reporting_Limit_Type	0004	RL		
A1	926	Reporting_Limit_Type	0004	RL		
A1	927	Reporting_Limit_Type	0004	RL		
A1	928	Reporting_Limit_Type	0004	RL		
A1	929	Reporting_Limit_Type	0004	RL		
A1	930	Reporting_Limit_Type	0004	RL		
A1	931	Reporting_Limit_Type	0004	RL		
A1	932	Reporting_Limit_Type	0004	RL		
A1	933	Reporting_Limit_Type	0004	RL		
A1	934	Reporting_Limit_Type	0004	RL		
A1	935	Reporting_Limit_Type	0004	RL		
A1	936	Reporting_Limit_Type	0004	RL		
A1	937	Reporting_Limit_Type	0004	RL		
A1	938	Reporting_Limit_Type	0004	RL		
A1	939	Reporting_Limit_Type	0004	RL		
A1	940	Reporting_Limit_Type	0004	RL		
A1	941	Reporting_Limit_Type	0004	RL		
A1	942	Reporting_Limit_Type	0004	RL		
A1	943	Reporting_Limit_Type	0004	RL		
A1	944	Reporting_Limit_Type	0004	RL		
A1	945	Reporting_Limit_Type	0004	RL		
A1	946	Reporting_Limit_Type	0004	RL		
A1	947	Reporting_Limit_Type	0004	RL		
A1	948	Reporting_Limit_Type	0004	RL		
A1	949	Reporting_Limit_Type	0004	RL		
A1	950	Reporting_Limit_Type	0004	RL		
A1	951	Reporting_Limit_Type	0004	RL		
A1	952	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	953	Reporting_Limit_Type	0004	RL		
A1	954	Reporting_Limit_Type	0004	RL		
A1	955	Reporting_Limit_Type	0004	RL		
A1	956	Reporting_Limit_Type	0004	RL		
A1	957	Reporting_Limit_Type	0004	RL		
A1	958	Reporting_Limit_Type	0004	RL		
A1	959	Reporting_Limit_Type	0004	RL		
A1	960	Reporting_Limit_Type	0004	RL		
A1	961	Reporting_Limit_Type	0004	RL		
A1	962	Reporting_Limit_Type	0004	RL		
A1	963	Reporting_Limit_Type	0004	RL		
A1	964	Reporting_Limit_Type	0004	RL		
A1	965	Reporting_Limit_Type	0004	RL		
A1	966	Reporting_Limit_Type	0004	RL		
A1	967	Reporting_Limit_Type	0004	RL		
A1	968	Reporting_Limit_Type	0004	RL		
A1	969	Reporting_Limit_Type	0004	RL		
A1	970	Reporting_Limit_Type	0004	RL		
A1	971	Reporting_Limit_Type	0004	RL		
A1	972	Reporting_Limit_Type	0004	RL		
A1	973	Reporting_Limit_Type	0004	RL		
A1	974	Reporting_Limit_Type	0004	RL		
A1	975	Reporting_Limit_Type	0004	RL		
A1	976	Reporting_Limit_Type	0004	RL		
A1	977	Reporting_Limit_Type	0004	RL		
A1	978	Reporting_Limit_Type	0004	RL		
A1	979	Reporting_Limit_Type	0004	RL		
A1	980	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	981	Reporting_Limit_Type	0004	RL	
A1	982	Reporting_Limit_Type	0004	RL	
A1	983	Reporting_Limit_Type	0004	RL	
A1	984	Reporting_Limit_Type	0004	RL	
A1	985	Reporting_Limit_Type	0004	RL	
A1	986	Reporting_Limit_Type	0004	RL	
A1	987	Reporting_Limit_Type	0004	RL	
A1	988	Reporting_Limit_Type	0004	RL	
A1	989	Reporting_Limit_Type	0004	RL	
A1	990	Reporting_Limit_Type	0004	RL	
A1	991	Reporting_Limit_Type	0004	RL	
A1	992	Reporting_Limit_Type	0004	RL	
A1	993	Reporting_Limit_Type	0004	RL	
A1	994	Reporting_Limit_Type	0004	RL	
A1	995	Reporting_Limit_Type	0004	RL	
A3		Project Number	0025	The project number "ECO-13-569" entered in one or more records does not match any of the project numbers entered in the standard values table.	
A3		Project Number	0025	The project name "B & B, CITY WELL SAMPLING" entered in one or more records does not match any of the project names entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

0001	*The number of characters entered in the field exceeds the number allowed for that field*
0002	*Non-numeric entry in a numeric field*
0003	*Non-date entry or incorrectly formatted date in a date field*
0004	*Value entered was not found in the Standard Value List (see Appendix B and C)*
0005	*Analytical Method, Analtye ID, Analyte Name, Matrix, and Units not found in the reference project library*
0006	*RPD value is missing from a MSD, LCSD, or laboratory duplicate sample*
0007	*Target analyte specified in library files not found in the EDD*
0008	*Discrepancy in related records found between the tables Sample Analysis and Analytical Result*
0009	*Required field is missing information*
0010	*Surrogate compounds specified in the reference project library are not found in table Analytical Results*
0011	*Surrogate compounds not specified in the reference project library are found in table Analytical Results*
0012	*Spike compounds specified in the reference project library are not found in table Analytical Results or vice versa*
0013	*Target analyte not specified in the reference project library is found in Analytical Results table*
0014	*Handling Batch ID (for leachates) is missing in Table A3*
0015	*Lab_Sample_ID can not have more than one matrix type assigned to it*
0016	*Analysis_Batch ID present in the Sample Analysis table is missing from the Laboratory Instrument table*
0017	*Analysis_Batch ID present in the Laboratory Instrument table is missing from the Sample Analysis table*
0018	*Run_Batch present in the Sample Analysis table is missing from the Laboratory Instrument table*
0019	*Run_Batch present in the Laboratory Instrument table is missing from the Sample Analysis table*
0020	*Target analytes and surrogates not specified in the reference project library are found in the Laboratory Intrument table*
0021	*Analysis_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS continuing calibration (QC_Type = CCV)*
0022	*Run_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS initial calibration (QC_Type = IC)*
0023	*Incorrect naming or inconsistent collection date for MS/MSD sample and/or parent sample*
0024	*Problems with %RSD, Correlation Coefficient, and/or RRFs reported for GC/MS calibration records.*
0025	*Project Number or Project Name reported in the EDD not found in the Standard Value table*
0026	*Result value for a non-detected analyte does not match the Reporting_Limit value as reported in the EDD*
0027	*ClientSampleID present in Analytical Results table but missing in the Sample Analysis table or vice versa*
0028	*Missing associated Method Blank records for a specific Preparation Batch / Analytical Method*
0029	*Missing associated Laboratory Control Sample records for a specific Preparation Batch / Analytical Method*
0030	*Missing associated Matrix Spike / Duplicate records for a specific Method Batch / Analytical Method*
0031	*Record specified in the reference project library not found in the Analytical Results table where Reportable Result = Yes*
0032	*Duplicate records found in table Analytical Results for fields ClientSampleID, Collected, AnalyticalMethod, AnalytedID where Reportable_Result = Yes*
0033	*Missing calibration records in Table A2*

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D128

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:40**

0034	*Report Limit from table Analytical Results exceeds the value in the reference project library (corrected for dilution and perc moist, if appl)*
0035	*Missing target analytes in IC, ICV, CV, or CCV*
0036	*Surrogate Recovery has a value greater than zero but the Lab Qualifier is like "*U*"*
0037	*Duplicate records in Table A1, A2, or A3*
0038	*Problems with QC Batch assignment*

Field QC and Associated Samples

Lab Reporting Batch : 15D128 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
04-20-15-FDUP-1	**FD**	04-20-15-CW-1	04/20/2015 11:40
04-20-15-TB-1	**TB**	04-20-15-CW-1	04/20/2015 11:40
		04-20-15-CW-10	04/20/2015 10:33
		04-20-15-CW-11	04/20/2015 10:15
		04-20-15-CW-5	04/20/2015 09:48
		04-20-15-CW-6	04/20/2015 11:15
		04-20-15-CW-9	04/20/2015 10:50
		04-20-15-FDUP-1	04/20/2015 11:45

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

EDD Preparation Batch Summary and Associated Samples
EDD Reporting Batch ID: 15D128

Method: 8151

Matrix ID: AQ **Preparation Batch: HED007W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED007WB	HED007WB	RES	MB	04/21/2015 15:51
HED007WL	HED007WL	RES	LCS	04/21/2015 16:19
HED007WC	HED007WC	RES	LCSD	04/21/2015 16:47
04-20-15-CW-1	D128-01	RES	Normal sample	04/22/2015 11:04
04-20-15-CW-5	D128-02	RES	Normal sample	04/22/2015 11:32
04-20-15-CW-6	D128-03	RES	Normal sample	04/22/2015 12:01
04-20-15-CW-6MS	D128-03M	RES	MS	04/22/2015 12:29
04-20-15-CW-6MSD	D128-03S	RES	MSD	04/22/2015 12:57
04-20-15-CW-9	D128-04	RES	Normal sample	04/22/2015 13:25
04-20-15-CW-10	D128-05	RES	Normal sample	04/22/2015 13:53
04-20-15-CW-11	D128-06	RES	Normal sample	04/22/2015 14:22
04-20-15-FDUP-1	D128-07	RES	Normal sample	04/22/2015 14:50

Method: 8260B

Matrix ID: AQ **Preparation Batch: VO67D15**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67D15L	VO67D15L	RES	LCS	04/23/2015 09:31
VO67D15C	VO67D15C	RES	LCSD	04/23/2015 10:07
VO67D15B	VO67D15B	RES	MB	04/23/2015 11:17
04-20-15-CW-1	D128-01	RES	Normal sample	04/23/2015 13:01
04-20-15-CW-5	D128-02	RES	Normal sample	04/23/2015 13:34
04-20-15-CW-9	D128-04	RES	Normal sample	04/23/2015 14:09
04-20-15-CW-10	D128-05	RES	Normal sample	04/23/2015 14:43
04-20-15-CW-11	D128-06	RES	Normal sample	04/23/2015 15:18
04-20-15-FDUP-1	D128-07	RES	Normal sample	04/23/2015 15:51
04-20-15-TB-1	D128-08	RES	Normal sample	04/23/2015 16:25
04-20-15-CW-6	D128-03	RES	Normal sample	04/23/2015 16:58
04-20-15-CW-6MS	D128-03M	RES	MS	04/23/2015 17:33
04-20-15-CW-6MSD	D128-03S	RES	MSD	04/23/2015 18:12

Method: 8260B SIM

Matrix ID: AQ **Preparation Batch: VO01D20**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D20L	VO01D20L	RES	LCS	04/22/2015 12:06
VO01D20C	VO01D20C	RES	LCSD	04/22/2015 12:32
VO01D20B	VO01D20B	RES	MB	04/22/2015 12:59
04-20-15-CW-1	D128-01	RES	Normal sample	04/22/2015 13:23
04-20-15-CW-5	D128-02	RES	Normal sample	04/22/2015 13:48
04-20-15-CW-6	D128-03	RES	Normal sample	04/22/2015 14:13
04-20-15-CW-6MS	D128-03M	RES	MS	04/22/2015 14:37
04-20-15-CW-6MSD	D128-03S	RES	MSD	04/22/2015 15:02
04-20-15-CW-9	D128-04	RES	Normal sample	04/22/2015 15:27
04-20-15-CW-10	D128-05	RES	Normal sample	04/22/2015 15:51
04-20-15-CW-11	D128-06	RES	Normal sample	04/22/2015 16:16
04-20-15-FDUP-1	D128-07	RES	Normal sample	04/22/2015 16:40

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 15D128

Method: 8151

Matrix ID: AQ **Method Batch: HED007W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED007WL	HED007WL	RES	LCS	04/21/2015 16:19
HED007WC	HED007WC	RES	LCSD	04/21/2015 16:47
04-20-15-CW-1	D128-01	RES		04/22/2015 11:04
04-20-15-CW-5	D128-02	RES		04/22/2015 11:32
04-20-15-CW-6	D128-03	RES		04/22/2015 12:01
04-20-15-CW-6MS	D128-03M	RES	MS	04/22/2015 12:29
04-20-15-CW-6MSD	D128-03S	RES	MSD	04/22/2015 12:57
04-20-15-CW-9	D128-04	RES		04/22/2015 13:25
04-20-15-CW-10	D128-05	RES		04/22/2015 13:53
04-20-15-CW-11	D128-06	RES		04/22/2015 14:22
04-20-15-FDUP-1	D128-07	RES		04/22/2015 14:50

Method: 8260B

Matrix ID: AQ **Method Batch: VO67D15**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67D15L	VO67D15L	RES	LCS	04/23/2015 09:31
VO67D15C	VO67D15C	RES	LCSD	04/23/2015 10:07
04-20-15-CW-1	D128-01	RES		04/23/2015 13:01
04-20-15-CW-5	D128-02	RES		04/23/2015 13:34
04-20-15-CW-9	D128-04	RES		04/23/2015 14:09
04-20-15-CW-10	D128-05	RES		04/23/2015 14:43
04-20-15-CW-11	D128-06	RES		04/23/2015 15:18
04-20-15-FDUP-1	D128-07	RES		04/23/2015 15:51
04-20-15-TB-1	D128-08	RES		04/23/2015 16:25
04-20-15-CW-6	D128-03	RES		04/23/2015 16:58
04-20-15-CW-6MS	D128-03M	RES	MS	04/23/2015 17:33
04-20-15-CW-6MSD	D128-03S	RES	MSD	04/23/2015 18:12

Method: 8260B SIM

Matrix ID: AQ **Method Batch: VO01D20**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D20L	VO01D20L	RES	LCS	04/22/2015 12:06
VO01D20C	VO01D20C	RES	LCSD	04/22/2015 12:32
04-20-15-CW-1	D128-01	RES		04/22/2015 13:23
04-20-15-CW-5	D128-02	RES		04/22/2015 13:48
04-20-15-CW-6	D128-03	RES		04/22/2015 14:13
04-20-15-CW-6MS	D128-03M	RES	MS	04/22/2015 14:37
04-20-15-CW-6MSD	D128-03S	RES	MSD	04/22/2015 15:02
04-20-15-CW-9	D128-04	RES		04/22/2015 15:27
04-20-15-CW-10	D128-05	RES		04/22/2015 15:51
04-20-15-CW-11	D128-06	RES		04/22/2015 16:16
04-20-15-FDUP-1	D128-07	RES		04/22/2015 16:40

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D128 **Laboratory :** EMXT **Lab Report Date :** 05/04/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
8151									
	04-20-15-CW-1	D128-01	RES	GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
	04-20-15-CW-10	D128-05		GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
	04-20-15-CW-11	D128-06		GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
	04-20-15-CW-5	D128-02		GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
	04-20-15-CW-6	D128-03		GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
	04-20-15-CW-9	D128-04		GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
	04-20-15-FDUP-1	D128-07		GEN PREP	AQ	04/20/2015	04/20/2015	04/21/2015	04/22/2015
8260B									
	04-20-15-CW-1	D128-01	RES	5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-CW-10	D128-05		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-CW-11	D128-06		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-CW-5	D128-02		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-CW-6	D128-03		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-CW-9	D128-04		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-FDUP-1	D128-07		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
	04-20-15-TB-1	D128-08		5030B	AQ	04/20/2015	04/20/2015	04/23/2015	04/23/2015
8260B SIM									
	04-20-15-CW-1	D128-01	RES	5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015
	04-20-15-CW-10	D128-05		5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015
	04-20-15-CW-11	D128-06		5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015
	04-20-15-CW-5	D128-02		5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015
	04-20-15-CW-6	D128-03		5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015
	04-20-15-CW-9	D128-04		5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015
	04-20-15-FDUP-1	D128-07		5030B	AQ	04/20/2015	04/20/2015	04/22/2015	04/22/2015

Project Number and Name: ***ECO-13-569 - B & B, CITY WELL SAMPLING***

Temperature Outlier Report

Lab Report Batch: 15D128 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	
04-20-15-CW-1	D128-01	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-10	D128-05	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-11	D128-06	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-5	D128-02	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-6	D128-03	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-9	D128-04	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-FDUP-1	D128-07	8151	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-1	D128-01	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-10	D128-05	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-11	D128-06	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-5	D128-02	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-6	D128-03	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-9	D128-04	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-FDUP-1	D128-07	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-TB-1	D128-08	8260B	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-1	D128-01	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-10	D128-05	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-11	D128-06	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-5	D128-02	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-6	D128-03	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-CW-9	D128-04	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R
04-20-15-FDUP-1	D128-07	8260B SIM	AQ	6.8	2	6	10	J	J-	UJ	J	J-	R

Reporting Limits Outlier Report

Lab Report Batch: 15D128 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-20-15-CW-6	D128-03	8260B	AQ	1,2-DICHLOROPROPANE	J	0.23	1.00	UG/L
				TETRACHLOROETHENE	J	0.56	1.00	UG/L
04-20-15-CW-9	D128-04	8260B	AQ	1,2-DICHLOROPROPANE	J	0.23	1.00	UG/L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-01

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	2.4	UG/L		YES	**J-**	J-													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.12	UG/L		YES	**J-**	J-													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-10 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-10 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-05

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-10 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-11 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-11 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-11 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-5 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-5 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-02

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-5 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.13	UG/L		YES	**J-**	J-													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-6 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	0.23	UG/L	J	YES	**J**	J-							J						A-,L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-6 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-03

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-6 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	0.56	UG/L	J	YES	**J**	J-							J						A-,L
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.065	UG/L		YES	**J-**	J-													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-9 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	0.23	UG/L	J	YES	**J**	J-							J						A-,L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-9 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-CW-9 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.2	UG/L		YES	**J-**	J-													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.15	UG/L		YES	**J-**	J-													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-FDUP-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-FDUP-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-07

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	2.5	UG/L		YES	**J-**	J-													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-FDUP-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.12	UG/L		YES	**J-**	J-													A-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	0.050	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-TB-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-08

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DIBROMOETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES	**UJ**	UJ													A-
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-BUTANONE	10	UG/L	U	YES	**UJ**	UJ													A-
2-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
2-HEXANONE	10	UG/L	U	YES	**UJ**	UJ													A-
4-CHLOROTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ACETONE	10	UG/L	U	YES	**UJ**	UJ													A-
BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-TB-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-08

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMODICHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
BROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON DISULFIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CARBON TETRACHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROFORM	1.0	UG/L	U	YES	**UJ**	UJ													A-
CHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DIBROMOMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ETHYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
FREON113	1.0	UG/L	U	YES	**UJ**	UJ													A-
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
ISOPROPYL BENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
M,P-XYLENES	1.0	UG/L	U	YES	**UJ**	UJ													A-
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-
MIBK	10	UG/L	U	YES	**UJ**	UJ													A-
MTBE	1.0	UG/L	U	YES	**UJ**	UJ													A-
NAPHTHALENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
N-PROPYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-20-15-TB-1 **Lab Report Batch :** 15D128 **Lab ID :** EMXT

Sample Date : 04/20/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D128-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
SEC-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
STYRENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TERT-BUTYLBENZENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TETRACHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TOLUENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROETHENE	1.0	UG/L	U	YES	**UJ**	UJ													A-
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**	UJ													A-
VINYL CHLORIDE	1.0	UG/L	U	YES	**UJ**	UJ													A-

Data Validation Report

City Wells
Groundwater Monitoring Data

for
Brown & Bryant

Arvin, CA
Project No.: Eco-13-569

SDG#: 15D128

LEVEL III & IV

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April, 2015

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EXECUTIVE SUMMARY

This data validation report presents the evaluation and validation of the analytical data for eight (8) ground water samples collected on 04-20-2015 as part of city wells groundwater monitoring at Brown and Bryant, Arvin, California (CA). EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. The United States Army Corps of Engineers and the State of California have certified EMAX Laboratory to perform the analysis described within this project. (Eco & Associates Inc., April2011).

On 04-20-2015, eight ground water samples, which included one field duplicate sample, one trip blank sample and a pair of sample as MS/MSD, were collected. EMAX Laboratory received the samples on 04-20-2015. Trip blank sample accompanied the samples for volatile organic compounds analysis and were analyzed for EPA Method 8260B only. The data was delivered in one package as Level III and Level IV deliverables. 10% of the data was subjected to comprehensive evaluation equivalent to EPA Level IV data validation. Raw data for one sample from this sample group (04-20-15-CW-10) was submitted at level IV deliverable for all the requested analytical methods. Raw data for designated sample as MS/MSD (04-20-15-CW-6) together with all other QC samples were also submitted.

Level III data validation examined quality assurance/quality control (QA/QC) elements and critical quality control measures such as holding time, (both extraction and analysis), extraction logs, instrument injection logs, completeness of the results and summaries of initial and continuing calibration tables for the following EPA methods of analysis:

Volatile Organic Compounds by EPA Method 5030B/8260B
Fumigants (EDB,DBCP and 1,2,3-Trichloropropane) by EPA Method 5030B/8260B SIM
Dinoseb by EPA Method 8151A

The sample designated as level IV in the chain of custody (04-20-15-CW-10) went through EPA level IV data validation. The analytical results, QC results, initial calibration standards and related data for continuing calibration standards were comprehensively compared with the corresponding raw data and chromatograms presented for Level IV data validation.

All samples were analyzed for each of the components listed in the corresponding EPA methods. The evaluation indicated that all the analytical work was performed as requested on the chain of custody. The extraction and analytical holding times were met for all samples in each method and subsequent dilutions if any.

Generally, data presented with this data package was considered acceptable and met quality control acceptance criteria for each requested EPA Method with minor technical variations. The deviations (if any), are discussed in section 4.0 for each method. The results of sample analysis are tabulated in Appendix A.

1.0 INTRODUCTION

This report presents the evaluation and validation of analytical data collected as part of monthly groundwater monitoring at Brown and Bryant Superfund Site at Arvin, CA.

1.1 Objectives and Scope of Data Validation

The main objective of this report is to evaluate the acceptability of the data generated for groundwater samples. The data validation was performed according to the analytical requirements of the method in the *Quality Assurance Project Plan, final Draft, Brown and Bryant, Arvin, CA,* (Project No: Eco-13-569, Eco & Associates Inc. April 2011), EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005, *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002) and Department of Defense Quality Systems Manual (DoD QSM) Version 4.2, 2010 .

1.2 Organization of the Report

Section 2.0 describes the components of the data review. Section 3.0 provides the qualitative quality assurance objectives. Section 4.0 summarizes the findings and conclusions of the data validation.

2.0 DATA REVIEW AND VALIDATION

Data validation is a systematic method for reviewing and qualifying the presented analytical data for their intended use. The objective of this data validation report is to identify any unacceptable or faulty measurements and practices, as reported by the laboratory.

EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. Army Corps of Engineers and the State of California have certified EMAX laboratory to perform the EPA Methods of analysis described within this report.

Eight (8) ground water samples, which included one field duplicate sample, one trip blank sample and a pair of sample as MS/MSD, were collected on 04-20-2015. EMAX Laboratory received the samples on 04-20-2015.

2.1 Data Reporting

The data was delivered in one package as Level III and Level IV deliverables. Ten percent of the data was subjected to validation to the equivalent of EPA Level IV. EMAX Laboratory provided the following information in one data package for both LEVEL III and LEVEL IV deliverable.

- Field sample identification number;
- Project name and location
- Laboratory sample identification number
- Date of sample collection;
- Sample matrix type;
- Analysis method;
- Target lists and results of analysis;
- Quantitation limits and/or Reporting Limits;
- Laboratory qualifiers and qualifier definitions;
- Copies of sample logs and chain-of-custody logs;
- Sample preparation log (with the sample extraction date)
- Sample Analysis log (Instrument injection log)

- Summary of initial calibration, initial calibration verification and continuing calibration tables;
- Quality control results with corresponding control limits.
- Case narrative for each method.
- Raw data for all the initial calibration standards, Initial calibration verification standards (ICV), continuing calibration standards (CCV), scans for positive results, internal standard area counts and retention time window width, if applicable. Raw data for one sample marked on the chain of custody as level IV (04-20-15-CW-10) as well as sample designated as MS/MSD (04-20-15-CW-6), together with the associated QC samples were also included.

.

Data validation was performed in three stages: first an initial review of the analytical reports and QA/QC information was performed using summary results and summary tables only. Then, a full review of all analytical reports, QA/QC information, as well as the corresponding raw and analytical data was carried out. Finally, summary tables and corresponding raw data of initial and continuing calibration standards, the extraction log, and injection (sequence) log were fully reviewed. Overall review assessed the effects of QA/QC results on the data usability. The review included such parameters as holding times, initial and continuing calibration method requirements, equipment performance check standards (tune check and degradation standards), surrogate recoveries, method blank results, lab control sample (LCS) and matrix spike/matrix spike duplicate (MS/MSD) for accuracy and precision.

Level IV review compared the reported analytical results with those obtained from the raw data. Raw data was submitted for one sample at Level IV data deliverable for all the analytical methods requested on the chain of custody. Calculations and corresponding equations, as well as analyte identification criteria were all verified.

2.2 Data Evaluation

The following parameters were evaluated in the preliminary data review:

- Analysis performed and sample identifications were verified to be in accordance with the information provided on the chain-of-custody (COC);

- Technical holding times were confirmed for all samples with regard to the requested method of analysis (collection to extraction and extraction to analysis);
- Reported quantitation limits were compared with the project measurement objectives;
- Equipment performance standards (tuning check standard and system performance check standards) were evaluated;
- Initial and continuing calibration standards were evaluated;
- Field and laboratory blank results were evaluated;
- LCS/LCSD and MS/MSD results were evaluated;
- Field and laboratory matrix duplicate results, trip blank results as well as surrogate recoveries, internal standard area counts and corresponding retention time window width tables were evaluated; and
- Chromatograms and mass spectrum results were evaluated

The following is a list of sample identifications and corresponding laboratory sample identification numbers:

CLIENT ID	EMAX ID#
04-20-15- CW-1	D128-01
04-20-15- CW-5	D128-02
04-20-15- CW-6	D128-03
04-20-15- CW-9	D128-04
04-20-15- CW-10	D128-05
04-20-15- CW-11	D128-06
04-20-15- FDUP-1	D128.07
04-20-15- TB-1	D128-08
04-20-15- CW-6MS	D128-03M
04-20-15- CW-6MSD	D128-03S

Field duplicate and associated sample	
04-20-15-FDUP-1	04-20-15- CW-1

Table 2-1 below shows the specified analysis for constituents in the water samples, the corresponding Environmental Protection Agency (EPA) analytical method, the corresponding practical quantitation limits (PQL/RL), regulatory levels, and the effluent discharge limits of specific constituents if available.

TABLE 2-1
Summary of Analytical Parameters
Brown & Bryant, Arvin, California

MATRIX	CONSTITUENT	EPA METHOD	RLs (µg/L)*
Water	Volatile Organic Compounds	8260B	1
	Fumigants (EDB, DBCP and 1,2,3-Trichloropropane)	8260B SIM	0.05-0.05 0.005(1,2,3-TCP)
	Herbicides (Dinoseb)	8151A	0.40

Notes:
* Reporting limits for each analyte is listed with corresponding sample result table in Appendix A
RL = Reporting Limit,
µg/L = microgram/Liter

2.2.1 Holding Times

Technical holding times are defined as the maximum time allowed between sample collection, extraction and analysis. A 14-day collection-to-analysis holding time was used for EPA Method 8260B and 8260B SIM. Samples for 8260B and 8260BSIM were preserved to pH less than 2 with Hydrochloric acid. A 7-day holding time from collection to extraction, and 40-day holding time from extraction-to-analysis was met, for EPA Method 8151A. Table 2-2 presents the summary of holding time requirements with qualifications if applied.

TABLE 2-2
Summary of Analytical Methods and Holding Time Requirements
Brown & Bryant, Arvin, California

ANALYSIS Method	MATRIX	HOLDING TIME REQUIREMENT	DATA QUALIFIED AS "J"	DATA QUALIFIED AS "R"
EPA Method 8260B	Water	14 days to analysis; (7 days if **not** acid preserved)	None. Holding times were met	None. Holding times were met
EPA Method 8260B SIM	Water	14 days to analysis; (7 days if **not** acid preserved)	None. Holding times were met	None. Holding times were met
EPA Method 8151A	Water	7 days to extraction, 40 days to analysis	None. Holding times were met	None. Holding times were met

2.2.2 Laboratory and Field Blanks

The objective of laboratory and field blank is to determine the presence and extent of contamination resulting from laboratory or field activities. Blanks reported here included method and/or extraction blanks and trip blanks. The result of analysis of method blank is discussed in section 4.0 for each method. All samples were transported in three ice preserved coolers and were stored in a refrigerator upon arrival to the laboratory. The temperatures of the coolers were recorded as 2.1℃ to 6.8℃ for each upon arrival. All samples were received intact and in good condition. The trip blank sample was associated with the samples for volatile organic compounds analysis by EPA method 8260B.

3.0 QUALITY ASSURANCE OBJECTIVES

Quality assurance (QA) objectives define analytical parameters that validate the conclusions drawn from the results. Quality assurance was assessed through the following means: precision, accuracy, representativeness, completeness, and comparability (PARCC).

3.1 Qualitative QA Objectives

Qualitative aspects of QA for analytical data are characterized by completeness and representativeness.

3.1.1 Comparability

Comparability defines the level of confidence with which one data set can be compared with another. Comparability is related to accuracy and precision. It is also a measure of the data's reliability. All units for comparability are in accordance with pre-determined standard procedures so that the results could be compared with other laboratories if necessary.

3.1.2 Representativeness

Representativeness is a quantity, which presents whether the results of analysis accurately portray the actual site conditions. Representativeness is a qualitative parameter, which signifies the extent of accuracy and precision, to which the data represent a characteristic population, parameter variations at a sampling point, process condition, or environmental conditions. The sampling procedures described within the approved QAPP (Eco & Associates, Inc., final version, April 2013) are designed to provide samples representative of the site conditions.

3.2 Quantitative QA Objectives

Quantitative QA Objectives for analytical data are defined as precision, accuracy, completeness, and method quantitation limits. These quantitative parameters are established in order to monitor the overall quality of analytical data produced by the laboratory. The laboratory performing the analytical methods specified in Table 2-1, and the case narratives, which is included in the data package from the laboratory, ensures the quality of the analytical data.

3.2.1 Precision

Precision is a measure of the closeness with which multiple analyses of a given sample agree with each other. It describes the agreement between two or more measurements that have been made in exactly the same way. Precision is measured through matrix spike/matrix spike duplicate samples, and laboratory control sample/laboratory control sample duplicate analysis. The relative percent difference (RPD) is calculated as a means of quantifying precision. The following equation is used for this purpose:

$$RPD = \frac{R_1 - R_2}{(R_1 + R_2)/2} \times 100$$

Where:

RPD = Relative percent difference

R_1 = Result of the first duplicate or measured sample concentration

R_2 = Result of the second duplicate or known sample or duplicate concentration

When analytes are present at concentrations below or near the quantitation limit, precision is measured, using MS/MSD, and/or LCS/LCSD results.
Precision results are discussed in Section 4.0 of this report.

3.2.2 Accuracy

Accuracy indicates the closeness of the measurement to its known true or accepted value. Accuracy measures agreement between a result and its true value. Method-specific QA objectives for precision and accuracy were based on the quality control limits developed by the laboratory for the analytical methods, specified in Table 2-1. These procedures may affect the accuracy of the data presented. Accuracy is achieved by comparing percent recoveries of LCS, and surrogates with the acceptance limits established by laboratory. Additionally, initial and continuing calibrations were used to verify that the analytical instrument accurately measured the compound concentrations. Calculations were independently verified for the response factors and percent differences (%Ds).

3.2.3 Completeness

Completeness is defined as the percentage of total measurements, which are judged to be valid. The completeness objective is to obtain a sufficient amount of valid data to enable the goals and objectives of the project to be achieved.

Completeness is quantified by computing the fraction of reports, which remained valid after the sampling procedures were reviewed and the results conformed to QA/QC protocols. The following equation was used to calculate completeness:

$$\text{Completeness} = \frac{\text{No. of valid field samples with valid analysis}}{\text{Number of requested field samples collected}} \text{X } 100$$

Completeness is affected by anything that reduces the number of samples analyzed (such as a sample bottle breaking), as well as acceptance or non-acceptance of analytical results.

4.0 DATA VALIDATION

This data review covers eight (8) ground water samples listed on page 8 including dilutions and reanalysis if applicable. The analyses were according to the following EPA Methods:

EPA Method **5030B**/**8260B** for volatile organic compounds

EPA Method **5030B**/**8260B SIM** for fumigants (EDB, DBCP and 1, 2, 3-Trichloropropane)

EPA Method **8151A** for Chlorinated Herbicides (Dinoseb only)

This review follows USEPA Analytical Operations/Data Quality Center (*AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002); and EM 200-1-10 Guidance for Evaluating Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005. The following subsections correlate to the above guidelines.

A summary table summarizing all data and qualification, if any is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None indicates the finding did not significantly impact the data; therefore qualification was not required.

4.1. VOC (EPA Method 5030B/8260B)

Technical Holding Times

A 14-day technical holding time requirement was met for all ground water samples. A total of eight (8) ground water samples were collected on 04-20-15. Samples were all analyzed on 04-23-15. Field samples and QC samples were analyzed with reference to one analytical batch (preparation batch: VO67D15).

The chain-of-custody was reviewed for documentation of sample information and method of analysis.

Table 1 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

Performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration analysis on 12-18-14 and at the start of analytical batch, before sample analysis on 04-23-15. All the mass ratios were within method assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration. Initial calibration curve was generated on 12-18-14 using instrument ID # T-O67 for analysis. A multilevel calibration curve ranging from 0.3µg/L to 100µg/L was used for this purpose. Internal standard curve type was used for initial calibration. Minimum response factor for system performance check compounds (SPCCs) were within the method acceptable limits. Response factors at each level were randomly recalculated and all agreed with the response factors submitted in the initial calibration summary table.

Minimum average response factors for the system performance check compounds (SPCCs) for each instrument were recognized according to the following tables:

Table 4.1.1: System Performance Check Compounds (Initial calibration)

System Performance check compounds (SPCCs)	Min. Ave. Response Factor (Method limits)	Ave. Res. Factor 12-18-14 (Calculated) Instrument ID#: T-O67
Chloromethane	≥ 0.10	0.498
1,1 -dichloroethane	≥ 0.10	0.560
Bromoform	≥ 0.10	0.359
Chlorobenzene	≥ 0.30	0.963
1,1,2,2-Tetrachloroethane	≥ 0.30	0.528

Average response factor curve fit was mainly used to show linearity within initial calibration levels for each compound. Maximum 15% RSD limit was met for most of the target compounds.

Least square linear regression curve fit was used for the following compounds where %RSD exceeded the maximum15 percent limit.

Target Analytes	Least Square Linear Regression (CCF) 12-18-14 Instrument ID#: T-O67
Bromomethane	0.9978
Methyl acetate	0.9993

Calibration check compounds (CCCs) met the acceptance criteria for %RSD among the response factors calculated for each level. The method acceptance limits and the calculated %RSD among the response factors for initial calibration are listed in table 4.1.2.

Table 4.1.2 Calibration Check Compounds (CCCs): Initial Calibration

Calibration Check Compounds (CCCs)	Response Factors %RSD (Limit)	Response Factors %RSD 12-18-14 Instrument ID#: T-O67
1,1-Dichloroethene	-≤ 30%	3.74
Chloroform	-≤ 30%	4.26
1,2-Dichloropropane	-≤ 30%	4.08
Toluene	-≤ 30%	3.83
Ethyl benzene	-≤ 30%	3.76
Vinyl chloride	-≤ 30%	13.4

Initial Calibration Verification and Continuing Calibration (Daily Calibration)

The initial calibration was verified by a second source standard at the end of calibration and before sample analysis on 12-19-14. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

One continuing calibration check standard was analyzed at the beginning of analytical shift on 04-23-15. Prior to analysis of continuing calibration standard, **instrument performance check standard** (BFB tune check) was carried out. It passed all the method tuning criteria.

The minimum average response factors for the system performance check compounds (SPCCs) calculated for continuing calibration standards were within the method limits. Average response factors are listed in the following table for system performance check compounds.

Table 4.1.3: System Performance Check Compounds: ICV and CCV (Daily calibration)

System Performance Check compounds (SPCCs)	**Minimum response factor (Method limits)**	**Second source Std. (ICV)** Response factors (Calculated) 04-19-14	**Continuing cal.** Response factors (Calculated) CCRF 04-23-15
Chloromethane	≥ 0.10	0.457	0.439
1,1-Dichloroethane	≥ 0.10	0.615	0.569
Chlorobenzene	≥ 0.10	1.034	1.064
Bromoform	≥ 0.30	0.374	0.359
1,1,2,2-Tetrachloroethane	≥ 0.30	0.550	0.518

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) for each analyte were less than or equal to 20% for all the Calibration Check Compounds (CCCs). The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration. The calculated % difference between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.1.4 for continuing calibration compounds as follows:

Table 4.1.4 Calibration Check Compounds (CCCs): ICV and Daily Calibration

Calibration Check Compounds (CCCs)	%Deviation From Initial calibration (Acceptance Limit)	Deviation from Initial calibration 2nd source (ICV) (12-19-14)	Deviation from Initial calibration Daily calibration (04-23-15)
Vinyl chloride	-≤ 20%	5.5%	12.7%
1,1-Dichloroethene	-≤ 20%	5.7%	0.80%
Chloroform	-≤ 20%	8.5%	6.1%
1,2-Dichloropropane	-≤ 20%	8.8%	6.1%
Toluene	-≤ 20%	5.3%	3.0%
Ethyl benzene	-≤ 20%	2.8%	2.8%

.

Deviation from the initial calibration was less than 20 percent for the rest of VOC target list in continuing calibration standards except for 2-Choroethylvinyl ether (93.0%) and Trans-1,4-Dichloro-2-butene(31.4%).

Quality Control: The QC samples reported consisted of one method blank, one set of LCS/LCSD and MS/MSD. Client's designated sample (04-20-15-CW-6) was spiked for precision as MS/MSD. The full list of target compounds were spiked and reported for LCS/LCSD as well as MS/MSD. Percent recoveries and percent RPDs for all the QC samples reported were within the project acceptance limits for all of the reported compounds in LCS/LCSD and MS/MSD.

The reported results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary table.

Method blank: One method blank was presented with the data package (batch# VO67D15) analyzed on 04-23-15. Method blank was reported as non-detected for all the analytes in the target list.

Field duplicate sample and its associated sample: Sample 04-20-15-FDUP-1 was identified as field duplicate of sample 04-20-15-CW-1. Results of positive response for each sample and its corresponding duplicate are shown in the following table:

	04-20-15-FDUP-1 µg/L	04-20-15-CW-1 µg/L	%RPD
Methylene chloride	2.5	2.4	4.08%

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Raw data for one sample (04-20-15-CW-10) was submitted for level IV data validation. Raw data for all associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. Tetrachloroethene was detected in samples 04-20-15-CW-6 (0.56J µg/L) and 04-20-15-CW-9 (1.2 µg/L). A trace of 1, 2-Dichloropropane was detected in sample 04-20-15-CW-9 (0.23Jµg/L) and 04-20-15-CW-6 (0.23Jµg/L). The sample results together with the surrogate recoveries are tabulated in table 1 appendix A.

4.2. EPA Method 5030B/8260B SIM (FUMIGANTS)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of seven (7) ground water samples were collected on 04-20-15. All samples and QC samples were analyzed with one analytical batch on 04-22-15. Samples, QC samples and sample dilutions were analyzed with reference to one preparation batch (VO01D20).

The chain-of-custody was reviewed for documentation of sample information and method of analysis. Samples were analyzed for three fumigants; 1, 2-Dibromomethane (EDB), 1,2,3-Trichloropropane (TCP), and 1,2-Dibromo-3-chloropropane (DBCP). A Mass selective detector at Selected Ion Monitoring mode (SIM) was used to achieve low detection limits required for the target compounds.

Table 2 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

Performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to generation of initial calibration curve on 01-13-15. Instrument performance was also evaluated at the start of analytical batch and before sample analysis on 04-22-15. All the instrument mass ratios were within the assigned method criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using purge and trap together with GC/MSD at selected ion monitoring mode (SIM). Initial calibration curve was generated on 01-13-15, using instrument ID # T-O01 for analysis. A multilevel calibration curve ranging from 5/10ng/L (ppt) to 2000ng/L (ppt) was used for this purpose. (1,2 Dibromo-3-chloropropane was calibrated from 10ng/L to 2000ng/L). Instrument performance check standard (BFB) was analyzed prior to initial calibration. It passed all the tuning criteria.

Modified version of SW-846 8260B (SIM) was used for generation of calibration curve and data. Internal standard curve type was used for initial calibration. Minimum response factors for all the target compounds were within the method acceptable limits. Average response factor curve fit was used to show linearity. Percent relative standard deviation (%RSD) among response factors was less than 15% for all target analytes.

Response factors at each level were randomly recalculated and all agreed with the response factors submitted in the initial calibration summary table.

Initial Calibration Verification and Continuing Calibration (Daily calibration)

Initial calibration curve was verified by a second source standard at the end of calibration on 01-13-15. Quality control criteria regarding minimum response factors were within method's acceptance limits. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

One continuing calibration check standard (CCV) was analyzed at the beginning of analytical shift on 04-22-15. Prior to analysis of continuing calibration standard, instrument

performance check standard (BFB tune check) was analyzed and evaluated. It passed all the method tuning criteria.

Calculated % difference (%D) between response factors from continuing calibration (CCRF) and average response factors from initial calibration is summarized in Table 4.2.1 for the targets of interest in this method as follows:

Table 4.2.1: Percent difference from initial calibration: (Daily calibration)

Target Compounds	% Deviation From Initial Calibration Method Criteria	% Deviation From Initial Calibration 2nd Source St. (Calculated) **(01-13-15)**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-22-15)**
1,2-Dibromomethane (EDB)	≤ 20%	8.6%	12.0%
1,2,3-Trichloropropane(TCP)	≤ 20%	8.8%	18.7%
1,2-Dibromo-3-chloroporopane (DBCP)	≤ 20%	4.2%	9.0%

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration.

Quality Control Samples: The QC samples reported consisted of one method blank, one set of LCS/LCSD and MS/MSD. Client's designated sample (04-20-15-CW-6) was spiked for precision as MS/MSD. All three target compounds were spiked and reported for LCS/LCSD and MS/MSD. Percent recoveries and percent RPDs for all the QC samples reported were within the project acceptance limits for all reported compounds.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary table.

Method blank: One method blank was presented with the data package (QC batch # VO01D20 analyzed on 04-22-15). Method blank was reported as non-detected for all analytes in the target list.

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 2 in appendix A.

Field duplicate sample and its associated sample: Sample 04-20-15-FDUP-1 was identified as field duplicate of sample 04-20-15-CW-1. Results of positive response for each sample and its corresponding duplicate are shown in the following table:

	04-20-15-FDUP-1 µg/L	04-20-15-CW-1 µg/L	**%RPD**
1,2-Dibromomethane (EDB)	ND	ND	<1%
1,2,3-Trichloropropane (TCP)	**0.12**	**0.12**	<1%
1,2-Dibromo-3-chloroporopane (DBCP)	ND	ND	<1%

Raw data for one sample designated as level IV (04-20-15-CW-10) was submitted for level IV data validation. Raw data for all associated QC samples were also included as Level IV data deliverable. Samples and QC samples went through comprehensive level IV data validation. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 2 Appendix A.

4.3 DINOSEB BY GC/ECD (EPA Method 8151A)

Technical Holding Times

A 7-day technical holding time from sample collection to extraction and 40-day from extraction to analysis was met for all samples. A total of seven ground water samples were collected on 04-20-15. Samples were extracted with one preparation batch on 04-21-15 (preparation batch # HED007W). Sample extracts were analyzed on 04-21-15 and 04-22-15.

EPA Method 8151A uses GC equipped with two Electron Capture Detectors (ECDs) and two non-similar columns. Columns are connected to the same injection port through a guard

column for analysis. Results and raw data generated from both columns were submitted. Dinoseb (a Chlorinated Herbicide), was determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration generated on 04-08-15. Seven calibration levels (18.9-189 µg/L) were used in initial calibration. Channel A and B were both calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel. Percent relative standard deviation (%RSD) among calibration factors (CFs) for both channel A and B were less than 20%. Retention time window width was (0.014 to 0.030 minutes) established by using initial calibration standards at each level. All further sample and QC analysis identification were based on the assigned time windows set by initial calibration for each peak. The instrument was calibrated for the full list of herbicides, both for initial calibration and continuing (daily calibrations), yet, the result of analysis was reported for Dinoseb only.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Initial calibration was verified by a second source standard at the end of calibration and prior to sample analysis on 04-08-15. Percent difference between mean calibration factors from initial calibration and calibration factors calculated from the second source were less than 15% for both Dinoseb and 2, 4-DCPAA (used as surrogate). Data was presented for both channel A and B.

Six continuing calibration standards with 10-sample injections interval were analyzed with samples and all the QC samples. Analysis was carried out on 04-21-15 and 04-22-15. Percent difference between initial calibration average response factors and the response factors calculated for each analyte (Dinoseb and 2, 4-DCPAA) from continuing calibrations were less than 20% for primary as well as confirmation column for all standards. The results for Dinoseb were all reported from both primary and confirmation columns (channel A&B). Results for surrogate recoveries and QC samples were reported from both channel A and B.

Quality Control samples consisted of one method blank, one set of LCS/LCSD and MS/MSD for preparation batch # HED007W. Client designated sample 04-20-15-CW-6 was spiked for accuracy and precision. Full herbicide list was spiked for LCS/LCSD and MS/MSD, but only Dinoseb and DCPAA (as surrogate) were reported for precision and accuracy. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD and MS/MSD. Calculated %RPD was less than 30% acceptance limit.

Method blank was reviewed for each component and no herbicide was found in the method blank for the extraction batch #HED007W.

Surrogate recoveries were all within the method's acceptable limits. The calculated result for each sample is incorporated in table 3 in Appendix A. .

Field duplicate sample and its associated sample: Sample 04-20-15-FDUP-1 was identified as field duplicate of sample 04-20-15-CW-1. Results for sample and its corresponding duplicate are shown in the following table:

	04-20-15-FDUP-1 µg/L	04-20-15-CW-1 µg/L	**%RPD**
Dinoseb	ND	ND	----

Raw data for one sample (04-20-15-CW-10) with related QC samples were submitted at level IV deliverable. The sample and all corresponding QC samples were validated at EPA level IV data validation criteria. Raw data responses were used in recalculation and all verified the reported values.

5.0 Conclusion

Overall, the data presented for this sample group is generally regarded as acceptable for all the EPA methods listed in the chain of custody. The data can reliably be used for the purpose of this project.

6.0 References

1. *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002).

2. *Quality Assurance Project Plan, final Draft, Brown & Bryant, CA,* (Project No. Eco-13-569, Eco & Associates Inc., April 2011)

3. U.S. Environmental Protection Agency, Dec. 1996, *SW846 Laboratory Manual Physical/Chemical Methods.* Revision 3, Washington, D.C. 20460.

4. EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005.

5. Department of Defense Quality System Manual (DOD QSM), Version 4.2, 2010

6. EPA Methods for Chemical Analysis of Water and Wastes. EPA -600-4-79-020. Revised; March 1983.

7.0 APPENDIX A

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-20-15-CW-1 µg/L	04-20-15-CW-5 µg/L	04-20-15-CW-6 µg/L	04-20-15-CW-9 µg/L	04-20-15-CW-10 µg/L
Acetone	10	U	U	U	U	U
Benzene	1.0	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U
2-Butanone	10	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	U	U
Chlorobenzene	1.0	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U
2-Chloroethyl vinylether	1.0	U	U	U	U	U
Chloroform	1.0	U	U	U	U	U
Chloromethane	1.0	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	U	U	U	U	U
Dibromochloromethane	1.0	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	U	U	U
1,2-Dichloroethane	1.0	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U
1,2-Dichloropropane	1.0	U	U	**0.23J**	**0.23J**	U
1,3-Dichloropropane	1.0	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U
MTBE	1.0	U	U	U	U	U

ANALYTE	RLs µg/L	04-20-15-CW-1 µg/L	04-20-15-CW-5 µg/L	04-20-15-CW-6 µg/L	04-20-15-CW-9 µg/L	04-20-15-CW-10 µg/L
4-Methyl-2-Pentanone	10.0	U	U	U	U	U
Methylene chloride	1.0	**2.4**	U	U	U	U
Naphthalene	1.0	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U
Styrene	1.0	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U
Tetrachloroethene	1.0	U	U	**0.56J**	**1.2**	U
Toluene	1.0	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U
1,2,3-Trichloropropane	1.0	U	U	U	U	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U
Surrogate (Limits)	**(Limits)**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**
1,2Dichloroethane-d4	70-120	88.4	90.4	91.9	89.8	91.6
4-Bromofluorbenze	75-120	92.4	90.4	90.3	91.4	90.5
Toluene-d8	85-120	90.3	89.2	89.5	90.0	88.3
Dibromofluoromethane	85-115	105	107	107	106	106

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-20-15-CW-11 µg/L	04-20-15-FDUP-1 µg/L µg/L	04-20-15-TB-1 µg/L			
Acetone	10	U	U	U			
Benzene	1.0	U	U	U			
Bromobenzene	1.0	U	U	U			
Bromochloromethane	1.0	U	U	U			
Bromodichloromethane	1.0	U	U	U			
Bromoform	1.0	U	U	U			
Bromomethane	1.0	U	U	U			
2-Butanone	10	U	U	U			
n-Butylbenzene	1.0	U	U	U			
sec-Butylbenzene	1.0	U	U	U			
tert-Butylbenzene	1.0	U	U	U			
Carbon Disulfide	1.0	U	U	U			
Carbon Tetrachloride	1.0	U	U	U			
Chlorobenzene	1.0	U	U	U			
Chloroethane	1.0	U	U	U			
2-ChloroethylVinylether	1.0	U	U	U			
Chloroform	1.0	U	U	U			
Chloromethane	1.0	U	U	U			
2-Chlorotoluene	1.0	U	U	U			
4-Chlorotoluene	1.0	U	U	U			
1,2Dibromo3Chloropropane	1.0	U	U	U			
Dibromochloromethane	1.0	U	U	U			
1,2-Dibromoethane(EDB)	1.0	U	U	U			
Dibromomethane	1.0	U	U	U			
1,2-Dichlorobenzene	1.0	U	U	U			
1,3-Dichlorobenzene	1.0	U	U	U			
1,4-Dichlorobenzene	1.0	U	U	U			
Dichlorodifluoromethan	1.0	U	U	U			
1,1-Dichloroethane	1.0	U	U	U			
1,2-Dichloroethane	1.0	U	U	U			
1,1-Dichloroethene	1.0	U	U	U			
Cis-1,2-Dichloroethene	1.0	U	U	U			
trans-1,2-Dichloroethene	1.0	U	U	U			
1,2-Dichloropropane	1.0	U	U	U			
1,3-Dichloropropane	1.0	U	U	U			
2,2-Dichloropropane	1.0	U	U	U			
1,1-Dichloropropene	1.0	U	U	U			
cis-1,3-Dichloropropene	1.0	U	U	U			
trans-1,3-Dichloropropene	1.0	U	U	U			
Ethylbenzene	1.0	U	U	U			

ANALYTE	RLs µg/L	04-20-15-CW-11 µg/L	04-20-15-FDUP-1 µg/L µg/L	04-20-15-TB-1 µg/L			
Hexachlorobutadiene	1.0	U	U	U			
2-Hexanone	10	U	U	U			
Isopropylbenzene	1.0	U	U	U			
p-Isopropyltoluene	1.0	U	U	U			
MTBE	1.0	U	U	U			
4-Methyl-2-Pentanone	10.0	U	U	U			
Methylene chloride	1.0	U	**2.5**	U			
Naphthalene	1.0	U	U	U			
n- Propylbenzene	1.0	U	U	U			
Styrene	1.0	U	U	U			
1,1,1,2-Tetrachloroethane	1.0	U	U	U			
1,1,2,2-Tetrachloroethane	1.0	U	U	U			
Tetrachloroethene	1.0	U	U	U			
Toluene	1.0	U	U	U			
1,2,3-Trichlorobenzene	1.0	U	U	U			
1,2,4-Trichlorobenzene	1.0	U	U	U			
1,1,1-Trichloroethane	1.0	U	U	U			
1,1,2-Trichloroethane	1.0	U	U	U			
Trichloroethene	1.0	U	U	U			
Trichlorofluoromethane	1.0	U	U	U			
1,2,3-Trichloropropane	1.0	U	U	U			
1,2,4-Trimethylbenzene	1.0	U	U	U			
1,3,5-Trimethylbenzene	1.0	U	U	U			
Vinyl Chloride	1.0	U	U	U			
o-Xylene	1.0	U	U	U			
m-& p-Xylenes	1.0	U	U	U			
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**			
1,2Dichloroeth-d4	70-120	90.8	90.6	91.5			
4-Bromofluorbenze	75-120	91.1	91.2	89.6			
Toluene-d8	85-120	88.1	89.3	89.2			
Dibromofluoromethane	85-115	105	106	107			

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-20-15-CW-1 µg/L	04-20-15-CW-5 µg/L	04-20-15-CW-6 µg/L	04-20-15-CW-9 µg/L	04-20-15-CW-10 µg/L	04-20-15-CW-11 µg/L	04-20-15-FDUP-1 µg/L
EDB	0.05	ND	ND	ND	ND	ND	ND	ND
DBCP	0.05	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.005	**0.12**	**0.13**	**0.065**	**0.15**	ND	ND	**0.12**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	118	105	110	103	117	116	109

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-20-15-CW-1 µg/L	04-20-15-CW-5 µg/L	04-20-15-CW-6 µg/L	04-20-15-CW-9 µg/L	04-20-15-CW-10 µg/L	04-20-15-CW-11 µg/L	04-20-15-FDUP-1 µg/L
Dinoseb	0.05	ND	ND	ND	ND	ND	ND	ND
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
MCPP (Surrogate)	80-120	101	123	108	96.7	98.7	101	99. 1

Automatic Data Validation Report

B&B
Biannually
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-13-601

SDG # 15D142

April, 2015

By

Ziba Hosseini

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Ground water Monitoring

@

Brown & Bryant, Arvin, California

EPA Methods: 8260B, 8260B (SIM), 8151A
300.0, 415.1, SM3500, SM4500S2D
and
RSK175

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			48	Hours	2	GT
415.1			28	Days	2	GT
8151	7	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT
FE3500			48	Hours	2	GT
RSK175				Days	2	GT
SM4500S2D			7	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			28	Days	2	GT
415.1			28	Days	2	GT
8151	14	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
FE3500	15438-31-0	Ferrous Iron	5
RSK175	1333-74-0	HYDROGEN	5
	74-82-8	METHANE	5
SM4500S2D	18496-25-8	SULFIDE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
FE3500	15438-31-0	Ferrous Iron	20	
RSK175	1333-74-0	HYDROGEN		
	74-82-8	METHANE		
SM4500S2D	18496-25-8	SULFIDE	20	

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery	
					Lower Limit	Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	40	140
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	70	120
	460-00-4	4-Bromofluorobenzene	10	LT	75	120
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	85	115
	2037-26-5	TOLUENE-D8	10	LT	85	120
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	80	120

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	10	150
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	60	160
	460-00-4	4-Bromofluorobenzene	10	LT	70	150
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	70	130
	2037-26-5	TOLUENE-D8	10	LT	70	140
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	50	150

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	70	135	30
	78-93-3	2-BUTANONE	10	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	10	LT	75	125	30
	591-78-6	2-HEXANONE	10	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	130	30
	67-64-1	ACETONE	10	LT	40	140	30
	71-43-2	BENZENE	10	LT	80	120	30
	108-86-1	BROMOBENZENE	10	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	75	120	30
	75-25-2	BROMOFORM	10	LT	70	130	30
	74-83-9	BROMOMETHANE	10	LT	30	145	30
	75-15-0	CARBON DISULFIDE	10	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	140	30
	108-90-7	CHLOROBENZENE	10	LT	80	120	30
	75-00-3	CHLOROETHANE	10	LT	60	135	30
	67-66-3	CHLOROFORM	10	LT	65	135	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	74-87-3	CHLOROMETHANE	10	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	60	135	30
	74-95-3	DIBROMOMETHANE	10	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	30	155	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	10	LT	50	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	125	30
	136777-61-2	M,P-XYLENES	10	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	60	135	30
	1634-04-4	MTBE	10	LT	65	125	30
	91-20-3	NAPHTHALENE	10	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	10	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	10	LT	70	130	30
	95-47-6	O-XYLENE	10	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	70	125	30
	100-42-5	STYRENE	10	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	45	150	30
	108-88-3	TOLUENE	10	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	55	140	30
	79-01-6	TRICHLOROETHENE	10	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	60	145	30
	108-05-4	VINYL ACETATE	10	LT	65	135	30
	75-01-4	VINYL CHLORIDE	10	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	50	LT	80	120	20
RSK175	1333-74-0	HYDROGEN	10	LT	80	120	20
	74-82-8	METHANE	10	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	50	LT	80	120	20

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	65	135	30
	78-93-3	2-BUTANONE	10	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	10	LT	70	130	30
	591-78-6	2-HEXANONE	10	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	125	30
	67-64-1	ACETONE	10	LT	20	160	30
	71-43-2	BENZENE	10	LT	75	125	30
	108-86-1	BROMOBENZENE	10	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	70	130	30
	75-25-2	BROMOFORM	10	LT	55	135	30
	74-83-9	BROMOMETHANE	10	LT	30	160	30
	75-15-0	CARBON DISULFIDE	10	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	135	30
	108-90-7	CHLOROBENZENE	10	LT	75	125	30
	75-00-3	CHLOROETHANE	10	LT	40	155	30
	67-66-3	CHLOROFORM	10	LT	70	125	50

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery		RPD
					Lower Limit	Upper Limit	
8260B	74-87-3	CHLOROMETHANE	10	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	65	130	30
	74-95-3	DIBROMOMETHANE	10	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	35	135	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	10	LT	55	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	130	30
	136777-61-2	M,P-XYLENES	10	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	45	145	30
	1634-04-4	MTBE	10	LT	60	150	50
	91-20-3	NAPHTHALENE	10	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	10	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	10	LT	65	135	30
	95-47-6	O-XYLENE	10	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	65	130	30
	100-42-5	STYRENE	10	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	65	140	30
	108-88-3	TOLUENE	10	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	65	125	30
	79-01-6	TRICHLOROETHENE	10	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	25	185	30
	108-05-4	VINYL ACETATE	10	LT	20	160	50
	75-01-4	VINYL CHLORIDE	10	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	50	150	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	70	135	30
	78-93-3	2-BUTANONE	0	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	0	LT	75	125	30
	591-78-6	2-HEXANONE	0	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	130	30
	67-64-1	ACETONE	0	LT	40	140	30
	71-43-2	BENZENE	0	LT	80	120	30
	108-86-1	BROMOBENZENE	0	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	75	120	30
	75-25-2	BROMOFORM	0	LT	70	130	30
	74-83-9	BROMOMETHANE	0	LT	30	145	30
	75-15-0	CARBON DISULFIDE	0	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	140	30
	108-90-7	CHLOROBENZENE	0	LT	80	120	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	60	135	30
	67-66-3	CHLOROFORM	0	LT	65	135	30
	74-87-3	CHLOROMETHANE	0	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	60	135	30
	74-95-3	DIBROMOMETHANE	0	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	30	155	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	0	LT	50	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	125	30
	136777-61-2	M,P-XYLENES	0	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	60	135	30
	1634-04-4	MTBE	0	LT	65	125	30
	91-20-3	NAPHTHALENE	0	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	0	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	0	LT	70	130	30
	95-47-6	O-XYLENE	0	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	70	125	30
	100-42-5	STYRENE	0	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	45	150	30
	108-88-3	TOLUENE	0	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	55	140	30
	79-01-6	TRICHLOROETHENE	0	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	60	145	30
	108-05-4	VINYL ACETATE	0	LT	65	135	30
	75-01-4	VINYL CHLORIDE	0	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	30	LT	75	125	20
RSK175	1333-74-0	HYDROGEN	0	LT	80	120	20
	74-82-8	METHANE	0	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	30	LT	75	125	20

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	65	135	30
	78-93-3	2-BUTANONE	0	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	0	LT	70	130	30
	591-78-6	2-HEXANONE	0	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	125	30
	67-64-1	ACETONE	0	LT	20	160	30
	71-43-2	BENZENE	0	LT	75	125	30
	108-86-1	BROMOBENZENE	0	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	70	130	30
	75-25-2	BROMOFORM	0	LT	55	135	30
	74-83-9	BROMOMETHANE	0	LT	30	160	30
	75-15-0	CARBON DISULFIDE	0	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	135	30
	108-90-7	CHLOROBENZENE	0	LT	75	125	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	40	155	30
	67-66-3	CHLOROFORM	0	LT	70	125	50
	74-87-3	CHLOROMETHANE	0	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	65	130	30
	74-95-3	DIBROMOMETHANE	0	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	35	135	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	0	LT	55	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	130	30
	136777-61-2	M,P-XYLENES	0	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	45	145	30
	1634-04-4	MTBE	0	LT	60	150	50
	91-20-3	NAPHTHALENE	0	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	0	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	0	LT	65	135	30
	95-47-6	O-XYLENE	0	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	65	130	30
	100-42-5	STYRENE	0	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	65	140	30
	108-88-3	TOLUENE	0	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	65	125	30
	79-01-6	TRICHLOROETHENE	0	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	25	185	30
	108-05-4	VINYL ACETATE	0	LT	10	160	50
	75-01-4	VINYL CHLORIDE	0	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	50	150	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	0.1	PQL	mg/L
	14797-65-0	Nitrite-N	0.1	PQL	mg/L
	14808-79-8	SULFATE	0.5	PQL	mg/L
415.1	E-10195	TOC	1	PQL	mg/L
8151	88-85-7	DINOSEB	0.4	PQL	ug/L
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	71-55-6	1,1,1-TRICHLOROETHANE	1.0	PQL	ug/L
	79-34-5	1,1,2,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	79-00-5	1,1,2-TRICHLOROETHANE	1.0	PQL	ug/L
	75-34-3	1,1-DICHLOROETHANE	1.0	PQL	ug/L
	75-35-4	1,1-DICHLOROETHENE	1.0	PQL	ug/L
	563-58-6	1,1-DICHLOROPROPENE	1.0	PQL	ug/L
	87-61-6	1,2,3-TRICHLOROBENZENE	1.0	PQL	ug/L
	96-18-4	1,2,3-TRICHLOROPROPANE	1.0	PQL	ug/L
	120-82-1	1,2,4-TRICHLOROBENZENE	1.0	PQL	ug/L
	95-63-6	1,2,4-TRIMETHYLBENZENE	1.0	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1.0	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	1.0	PQL	ug/L
	95-50-1	1,2-DICHLOROBENZENE	1.0	PQL	ug/L
	107-06-2	1,2-DICHLOROETHANE	1.0	PQL	ug/L
	78-87-5	1,2-DICHLOROPROPANE	1.0	PQL	ug/L
	108-67-8	1,3,5-TRIMETHYLBENZENE	1.0	PQL	ug/L
	541-73-1	1,3-DICHLOROBENZENE	1.0	PQL	ug/L
	142-28-9	1,3-DICHLOROPROPANE	0.5	PQL	ug/L
	106-46-7	1,4-DICHLOROBENZENE	1.0	PQL	ug/L
	594-20-7	2,2-DICHLOROPROPANE	1.0	PQL	ug/L
	78-93-3	2-BUTANONE	10	PQL	ug/L
	95-49-8	2-CHLOROTOLUENE	1.0	PQL	ug/L
	591-78-6	2-HEXANONE	10	PQL	ug/L
	106-43-4	4-CHLOROTOLUENE	1.0	PQL	ug/L
	67-64-1	ACETONE	10	PQL	ug/L
	71-43-2	BENZENE	1.0	PQL	ug/L
	108-86-1	BROMOBENZENE	1.0	PQL	ug/L
	74-97-5	BROMOCHLOROMETHANE	1.0	PQL	ug/L
	75-27-4	BROMODICHLOROMETHANE	1.0	PQL	ug/L
	75-25-2	BROMOFORM	1.0	PQL	ug/L
	74-83-9	BROMOMETHANE	1.0	PQL	ug/L
	75-15-0	CARBON DISULFIDE	1.0	PQL	ug/L
	56-23-5	CARBON TETRACHLORIDE	1.0	PQL	ug/L
	108-90-7	CHLOROBENZENE	1.0	PQL	ug/L
	75-00-3	CHLOROETHANE	1.0	PQL	ug/L
	67-66-3	CHLOROFORM	1.0	PQL	ug/L
	74-87-3	CHLOROMETHANE	1.0	PQL	ug/L
	156-59-2	CIS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-01-5	CIS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	124-48-1	DIBROMOCHLOROMETHANE	1.0	PQL	ug/L
	74-95-3	DIBROMOMETHANE	1.0	PQL	ug/L
	75-71-8	DICHLORODIFLUOROMETHANE	1.0	PQL	ug/L
	100-41-4	ETHYLBENZENE	1.0	PQL	ug/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	1.0	PQL	ug/L
	87-68-3	HEXACHLOROBUTADIENE	1.0	PQL	ug/L
	98-82-8	Isopropyl Benzene	1.0	PQL	ug/L
	136777-61-2	M,P-XYLENES	1.0	PQL	ug/L
	75-09-2	METHYLENE CHLORIDE	1.0	PQL	ug/L
	108-10-1	MIBK	10	PQL	ug/L
	1634-04-4	MTBE	1.0	PQL	ug/L
	91-20-3	NAPHTHALENE	1.0	PQL	ug/L
	104-51-8	N-BUTYLBENZENE	1.0	PQL	ug/L
	103-65-1	N-PROPYLBENZENE	1.0	PQL	ug/L
	95-47-6	O-XYLENE	1.0	PQL	ug/L
	99-87-6	P-ISOPROPYLTOLUENE	1.0	PQL	ug/L
	135-98-8	SEC-BUTYLBENZENE	1.0	PQL	ug/L
	100-42-5	STYRENE	1.0	PQL	ug/L
	98-06-6	TERT-BUTYLBENZENE	1.0	PQL	ug/L
	127-18-4	TETRACHLOROETHENE	1.0	PQL	ug/L
	108-88-3	TOLUENE	1.0	PQL	ug/L
	156-60-5	TRANS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	79-01-6	TRICHLOROETHENE	1.0	PQL	ug/L
	75-69-4	TRICHLOROFLUOROMETHANE	1.0	PQL	ug/L
	108-05-4	VINYL ACETATE	2.0	PQL	ug/L
	75-01-4	VINYL CHLORIDE	1.0	PQL	ug/L
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/L
FE3500	15438-31-0	Ferrous Iron	2	PQL	mg/L
RSK175	1333-74-0	HYDROGEN	10	PQL	ug/L
	74-82-8	METHANE	1	PQL	ug/L
SM4500S2D	18496-25-8	SULFIDE	0.1	PQL	mg/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	1	PQL	mg/Kg
	14797-65-0	Nitrite-N	1	PQL	mg/Kg
	14808-79-8	SULFATE	5	PQL	mg/Kg
415.1	E-10195	TOC	10	PQL	mg/Kg
8151	88-85-7	DINOSEB	10	PQL	ug/Kg
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	71-55-6	1,1,1-TRICHLOROETHANE	5	PQL	ug/Kg
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	79-00-5	1,1,2-TRICHLOROETHANE	5	PQL	ug/Kg
	75-34-3	1,1-DICHLOROETHANE	5	PQL	ug/Kg
	75-35-4	1,1-DICHLOROETHENE	5	PQL	ug/Kg
	563-58-6	1,1-DICHLOROPROPENE	5	PQL	ug/Kg
	87-61-6	1,2,3-TRICHLOROBENZENE	5	PQL	ug/Kg
	96-18-4	1,2,3-TRICHLOROPROPANE	5	PQL	ug/Kg
	120-82-1	1,2,4-TRICHLOROBENZENE	5	PQL	ug/Kg
	95-63-6	1,2,4-TRIMETHYLBENZENE	5	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	5	PQL	ug/Kg
	95-50-1	1,2-DICHLOROBENZENE	5	PQL	ug/Kg
	107-06-2	1,2-DICHLOROETHANE	5	PQL	ug/Kg
	78-87-5	1,2-DICHLOROPROPANE	5	PQL	ug/Kg
	108-67-8	1,3,5-TRIMETHYLBENZENE	5	PQL	ug/Kg
	541-73-1	1,3-DICHLOROBENZENE	5	PQL	ug/Kg
	142-28-9	1,3-DICHLOROPROPANE	5	PQL	ug/Kg
	106-46-7	1,4-DICHLOROBENZENE	5	PQL	ug/Kg
	594-20-7	2,2-DICHLOROPROPANE	5	PQL	ug/Kg
	78-93-3	2-BUTANONE	10	PQL	ug/Kg
	95-49-8	2-CHLOROTOLUENE	5	PQL	ug/Kg
	591-78-6	2-HEXANONE	10	PQL	ug/Kg
	106-43-4	4-CHLOROTOLUENE	5	PQL	ug/Kg
	67-64-1	ACETONE	10	PQL	ug/Kg
	71-43-2	BENZENE	5	PQL	ug/Kg
	108-86-1	BROMOBENZENE	5	PQL	ug/Kg
	74-97-5	BROMOCHLOROMETHANE	5	PQL	ug/Kg
	75-27-4	BROMODICHLOROMETHANE	5	PQL	ug/Kg
	75-25-2	BROMOFORM	5	PQL	ug/Kg
	74-83-9	BROMOMETHANE	10	PQL	ug/Kg
	75-15-0	CARBON DISULFIDE	5	PQL	ug/Kg
	56-23-5	CARBON TETRACHLORIDE	5	PQL	ug/Kg
	108-90-7	CHLOROBENZENE	5	PQL	ug/Kg
	75-00-3	CHLOROETHANE	5	PQL	ug/Kg
	67-66-3	CHLOROFORM	5	PQL	ug/Kg
	74-87-3	CHLOROMETHANE	5	PQL	ug/Kg
	156-59-2	CIS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	124-48-1	DIBROMOCHLOROMETHANE	5	PQL	ug/Kg
	74-95-3	DIBROMOMETHANE	5	PQL	ug/Kg
	75-71-8	DICHLORODIFLUOROMETHANE	5	PQL	ug/Kg
	100-41-4	ETHYLBENZENE	5	PQL	ug/Kg

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	5	PQL	ug/Kg
	87-68-3	HEXACHLOROBUTADIENE	5	PQL	ug/Kg
	98-82-8	Isopropyl Benzene	5	PQL	ug/Kg
	136777-61-2	M,P-XYLENES	10	PQL	ug/Kg
	75-09-2	METHYLENE CHLORIDE	5	PQL	ug/Kg
	108-10-1	MIBK	10	PQL	ug/Kg
	1634-04-4	MTBE	5	PQL	ug/Kg
	91-20-3	NAPHTHALENE	5	PQL	ug/Kg
	104-51-8	N-BUTYLBENZENE	5	PQL	ug/Kg
	103-65-1	N-PROPYLBENZENE	5	PQL	ug/Kg
	95-47-6	O-XYLENE	5	PQL	ug/Kg
	99-87-6	P-ISOPROPYLTOLUENE	5	PQL	ug/Kg
	135-98-8	SEC-BUTYLBENZENE	5	PQL	ug/Kg
	100-42-5	STYRENE	5	PQL	ug/Kg
	98-06-6	TERT-BUTYLBENZENE	5	PQL	ug/Kg
	127-18-4	TETRACHLOROETHENE	5	PQL	ug/Kg
	108-88-3	TOLUENE	5	PQL	ug/Kg
	156-60-5	TRANS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	79-01-6	TRICHLOROETHENE	5	PQL	ug/Kg
	75-69-4	TRICHLOROFLUOROMETHANE	5	PQL	ug/Kg
	108-05-4	VINYL ACETATE	5	PQL	ug/Kg
	75-01-4	VINYL CHLORIDE	5	PQL	ug/Kg
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/Kg

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8151	88-85-7	DINOSEB											
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE											
	71-55-6	1,1,1-TRICHLOROETHANE											
	79-34-5	1,1,2,2-TETRACHLOROETHANE											
	79-00-5	1,1,2-TRICHLOROETHANE											
	75-34-3	1,1-DICHLOROETHANE											
	75-35-4	1,1-DICHLOROETHENE											
	563-58-6	1,1-DICHLOROPROPENE											
	87-61-6	1,2,3-TRICHLOROBENZENE											
	96-18-4	1,2,3-TRICHLOROPROPANE											
	120-82-1	1,2,4-TRICHLOROBENZENE											
	95-63-6	1,2,4-TRIMETHYLBENZENE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
	95-50-1	1,2-DICHLOROBENZENE											
	107-06-2	1,2-DICHLOROETHANE											
	78-87-5	1,2-DICHLOROPROPANE											
	108-67-8	1,3,5-TRIMETHYLBENZENE											
	541-73-1	1,3-DICHLOROBENZENE											
	142-28-9	1,3-DICHLOROPROPANE											
	106-46-7	1,4-DICHLOROBENZENE											
	594-20-7	2,2-DICHLOROPROPANE											
	78-93-3	2-BUTANONE											
	95-49-8	2-CHLOROTOLUENE											
	591-78-6	2-HEXANONE											
	106-43-4	4-CHLOROTOLUENE											
	67-64-1	ACETONE											
	71-43-2	BENZENE											
	108-86-1	BROMOBENZENE											
	74-97-5	BROMOCHLOROMETHANE											
	75-27-4	BROMODICHLOROMETHANE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	75-25-2	BROMOFORM											
	74-83-9	BROMOMETHANE											
	75-15-0	CARBON DISULFIDE											
	56-23-5	CARBON TETRACHLORIDE											
	108-90-7	CHLOROBENZENE											
	75-00-3	CHLOROETHANE											
	67-66-3	CHLOROFORM											
	74-87-3	CHLOROMETHANE											
	156-59-2	CIS-1,2-DICHLOROETHENE											
	10061-01-5	CIS-1,3-DICHLOROPROPENE											
	124-48-1	DIBROMOCHLOROMETHANE											
	74-95-3	DIBROMOMETHANE											
	75-71-8	DICHLORODIFLUOROMETHANE											
	100-41-4	ETHYLBENZENE											
	76-13-1	FREON113											
	87-68-3	HEXACHLOROBUTADIENE											
	98-82-8	Isopropyl Benzene											
	136777-61-2	M,P-XYLENES											
	75-09-2	METHYLENE CHLORIDE											
	108-10-1	MIBK											
	1634-04-4	MTBE											
	91-20-3	NAPHTHALENE											
	104-51-8	N-BUTYLBENZENE											
	103-65-1	N-PROPYLBENZENE											
	95-47-6	O-XYLENE											
	99-87-6	P-ISOPROPYLTOLUENE											
	135-98-8	SEC-BUTYLBENZENE											
	100-42-5	STYRENE											
	98-06-6	TERT-BUTYLBENZENE											
	127-18-4	TETRACHLOROETHENE											
	108-88-3	TOLUENE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	156-60-5	TRANS-1,2-DICHLOROETHENE											
	10061-02-6	TRANS-1,3-DICHLOROPROPENE											
	79-01-6	TRICHLOROETHENE											
	75-69-4	TRICHLOROFLUOROMETHANE											
	108-05-4	VINYL ACETATE											
	75-01-4	VINYL CHLORIDE											
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
RSK175	1333-74-0	HYDROGEN											
	74-82-8	METHANE											

Library Validation Criteria: Inorganic Instrument Calibration

Library Group ID : ECO_BrownandBryant_121114 All Inorganic methods

			Initial Calibration			Initial Calibration Verification					Continuing Calibration Verification				
							Percent Recovery					Percent Recovery			
Analytical Method	**Client Analyte ID**	**Analyte Name**	**RRF**	**%RSD**	**Corr Co**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**
300.0	17778-88-0	Nitrate-N													
	14797-65-0	Nitrite-N													
	14808-79-8	SULFATE													
415.1	E-10195	TOC													
SM4500S2D	18496-25-8	SULFIDE													

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z

Reason Code Library: Example 2

Category	Code
Low Bias Indicator	L
High Bias Indicator	H
Temperature	1
Holding Times	
Sampling to Analysis	3
Sampling to Extraction	4
Extaction to Analysis	5
Method Blanks	6
Surrogate Recovery	7
MS/MSD	
MS/MSD Recovery	8
MS/MSD RPD	9
LCS	
LCS Recovery	10
LCS RPD	11
Reporting Limits	12
Field QC	
Field Blank	13
Equipment Blank	14
Trip Blank	15
Field Duplicate	16

Category	Code
Initial Calibration	
Initial Calibration RRF	17
Initial Calibration RSD	18
Initial Calibration Cor. Coef	19
Initial Calibration Verification	
Initial Calibration Verificaton RRF	20
Initial CalibrationVerification %D	21
Continuing Calibration	
Continuing Calibraiton RRF	22
Continuing Calibration %D	23
GC/MS Tune	
GC/MS Tune for Initial Calibration	24
GC/MS Tune for Continuing Calibration	25
Laboratory Duplicate	26

EDD Non-Conformance Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	1204
0005	0
0006	0
0007	1
0008	0
0009	0
0010	0
0011	0
0012	8
0013	0
0014	0
0015	0
0016	0
0017	0
0018	0
0019	0

Type	Count
0020	0
0021	0
0022	0
0023	0
0024	0
0025	2
0026	0
0027	0
0028	0
0029	0
0030	1
0031	0
0032	0
0033	0
0034	0
0035	0
0036	0
0037	0
0038	0

Total : 1,216

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch ICD024W in method 300.0.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICD024WC, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICD024WL, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing MS spike compound	0012	SULFATE is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D142-03M, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MS spike compound	0012	Nitrite-N is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D142-03IM, Analysis Type DL, analyzed by method 300.0.	
A1		Missing MS spike compound	0012	Nitrate-N is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D142-03M, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	SULFATE is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D142-03S, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	Nitrate-N is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D142-03S, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	Nitrite-N is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D142-03IS, Analysis Type DL, analyzed by method 300.0.	
A1		Missing records	0007	Client Sample ID ICD024WB in Table A1 is missing a result record for CAS No. 14797-65-0 (Nitrite-N), by Method 300.0. Either the record is missing or one or more field elements are entered incorrectly.	
A1	1	Reporting_Limit_Type	0004	RL	
A1	2	Reporting_Limit_Type	0004	RL	
A1	3	Reporting_Limit_Type	0004	RL	
A1	4	Reporting_Limit_Type	0004	RL	
A1	5	Reporting_Limit_Type	0004	RL	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	6	Reporting_Limit_Type	0004	RL		
A1	7	Reporting_Limit_Type	0004	RL		
A1	8	Reporting_Limit_Type	0004	RL		
A1	9	Reporting_Limit_Type	0004	RL		
A1	10	Reporting_Limit_Type	0004	RL		
A1	11	Reporting_Limit_Type	0004	RL		
A1	12	Reporting_Limit_Type	0004	RL		
A1	13	Reporting_Limit_Type	0004	RL		
A1	14	Reporting_Limit_Type	0004	RL		
A1	15	Reporting_Limit_Type	0004	RL		
A1	16	Reporting_Limit_Type	0004	RL		
A1	17	Reporting_Limit_Type	0004	RL		
A1	18	Reporting_Limit_Type	0004	RL		
A1	19	Reporting_Limit_Type	0004	RL		
A1	20	Reporting_Limit_Type	0004	RL		
A1	21	Reporting_Limit_Type	0004	RL		
A1	22	Reporting_Limit_Type	0004	RL		
A1	23	Reporting_Limit_Type	0004	RL		
A1	24	Reporting_Limit_Type	0004	RL		
A1	25	Reporting_Limit_Type	0004	RL		
A1	26	Reporting_Limit_Type	0004	RL		
A1	27	Reporting_Limit_Type	0004	RL		
A1	28	Reporting_Limit_Type	0004	RL		
A1	29	Reporting_Limit_Type	0004	RL		
A1	30	Reporting_Limit_Type	0004	RL		
A1	31	Reporting_Limit_Type	0004	RL		
A1	32	Reporting_Limit_Type	0004	RL		
A1	33	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	34	Reporting_Limit_Type	0004	RL		
A1	35	Reporting_Limit_Type	0004	RL		
A1	36	Reporting_Limit_Type	0004	RL		
A1	37	Reporting_Limit_Type	0004	RL		
A1	38	Reporting_Limit_Type	0004	RL		
A1	39	Reporting_Limit_Type	0004	RL		
A1	40	Reporting_Limit_Type	0004	RL		
A1	41	Reporting_Limit_Type	0004	RL		
A1	42	Reporting_Limit_Type	0004	RL		
A1	43	Reporting_Limit_Type	0004	RL		
A1	44	Reporting_Limit_Type	0004	RL		
A1	45	Reporting_Limit_Type	0004	RL		
A1	46	Reporting_Limit_Type	0004	RL		
A1	47	Reporting_Limit_Type	0004	RL		
A1	48	Reporting_Limit_Type	0004	RL		
A1	49	Reporting_Limit_Type	0004	RL		
A1	50	Reporting_Limit_Type	0004	RL		
A1	51	Reporting_Limit_Type	0004	RL		
A1	52	Reporting_Limit_Type	0004	RL		
A1	53	Reporting_Limit_Type	0004	RL		
A1	54	Reporting_Limit_Type	0004	RL		
A1	55	Reporting_Limit_Type	0004	RL		
A1	56	Reporting_Limit_Type	0004	RL		
A1	57	Reporting_Limit_Type	0004	RL		
A1	58	Reporting_Limit_Type	0004	RL		
A1	59	Reporting_Limit_Type	0004	RL		
A1	60	Reporting_Limit_Type	0004	RL		
A1	61	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	62	Reporting_Limit_Type	0004	RL		
A1	63	Reporting_Limit_Type	0004	RL		
A1	64	Reporting_Limit_Type	0004	RL		
A1	65	Reporting_Limit_Type	0004	RL		
A1	66	Reporting_Limit_Type	0004	RL		
A1	67	Reporting_Limit_Type	0004	RL		
A1	68	Reporting_Limit_Type	0004	RL		
A1	69	Reporting_Limit_Type	0004	RL		
A1	70	Reporting_Limit_Type	0004	RL		
A1	71	Reporting_Limit_Type	0004	RL		
A1	72	Reporting_Limit_Type	0004	RL		
A1	73	Reporting_Limit_Type	0004	RL		
A1	74	Reporting_Limit_Type	0004	RL		
A1	75	Reporting_Limit_Type	0004	RL		
A1	76	Reporting_Limit_Type	0004	RL		
A1	77	Reporting_Limit_Type	0004	RL		
A1	78	Reporting_Limit_Type	0004	RL		
A1	79	Reporting_Limit_Type	0004	RL		
A1	80	Reporting_Limit_Type	0004	RL		
A1	81	Reporting_Limit_Type	0004	RL		
A1	82	Reporting_Limit_Type	0004	RL		
A1	83	Reporting_Limit_Type	0004	RL		
A1	84	Reporting_Limit_Type	0004	RL		
A1	85	Reporting_Limit_Type	0004	RL		
A1	86	Reporting_Limit_Type	0004	RL		
A1	87	Reporting_Limit_Type	0004	RL		
A1	88	Reporting_Limit_Type	0004	RL		
A1	89	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	90	Reporting_Limit_Type	0004	RL		
A1	91	Reporting_Limit_Type	0004	RL		
A1	92	Reporting_Limit_Type	0004	RL		
A1	93	Reporting_Limit_Type	0004	RL		
A1	94	Reporting_Limit_Type	0004	RL		
A1	95	Reporting_Limit_Type	0004	RL		
A1	96	Reporting_Limit_Type	0004	RL		
A1	97	Reporting_Limit_Type	0004	RL		
A1	98	Reporting_Limit_Type	0004	RL		
A1	99	Reporting_Limit_Type	0004	RL		
A1	100	Reporting_Limit_Type	0004	RL		
A1	101	Reporting_Limit_Type	0004	RL		
A1	102	Reporting_Limit_Type	0004	RL		
A1	103	Reporting_Limit_Type	0004	RL		
A1	104	Reporting_Limit_Type	0004	RL		
A1	105	Reporting_Limit_Type	0004	RL		
A1	106	Reporting_Limit_Type	0004	RL		
A1	107	Reporting_Limit_Type	0004	RL		
A1	108	Reporting_Limit_Type	0004	RL		
A1	109	Reporting_Limit_Type	0004	RL		
A1	110	Reporting_Limit_Type	0004	RL		
A1	111	Reporting_Limit_Type	0004	RL		
A1	112	Reporting_Limit_Type	0004	RL		
A1	113	Reporting_Limit_Type	0004	RL		
A1	114	Reporting_Limit_Type	0004	RL		
A1	115	Reporting_Limit_Type	0004	RL		
A1	116	Reporting_Limit_Type	0004	RL		
A1	117	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	118	Reporting_Limit_Type	0004	RL		
A1	119	Reporting_Limit_Type	0004	RL		
A1	120	Reporting_Limit_Type	0004	RL		
A1	121	Reporting_Limit_Type	0004	RL		
A1	122	Reporting_Limit_Type	0004	RL		
A1	123	Reporting_Limit_Type	0004	RL		
A1	124	Reporting_Limit_Type	0004	RL		
A1	125	Reporting_Limit_Type	0004	RL		
A1	126	Reporting_Limit_Type	0004	RL		
A1	127	Reporting_Limit_Type	0004	RL		
A1	128	Reporting_Limit_Type	0004	RL		
A1	129	Reporting_Limit_Type	0004	RL		
A1	130	Reporting_Limit_Type	0004	RL		
A1	131	Reporting_Limit_Type	0004	RL		
A1	132	Reporting_Limit_Type	0004	RL		
A1	133	Reporting_Limit_Type	0004	RL		
A1	134	Reporting_Limit_Type	0004	RL		
A1	135	Reporting_Limit_Type	0004	RL		
A1	136	Reporting_Limit_Type	0004	RL		
A1	137	Reporting_Limit_Type	0004	RL		
A1	138	Reporting_Limit_Type	0004	RL		
A1	139	Reporting_Limit_Type	0004	RL		
A1	140	Reporting_Limit_Type	0004	RL		
A1	141	Reporting_Limit_Type	0004	RL		
A1	142	Reporting_Limit_Type	0004	RL		
A1	143	Reporting_Limit_Type	0004	RL		
A1	144	Reporting_Limit_Type	0004	RL		
A1	145	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	146	Reporting_Limit_Type	0004	RL		
A1	147	Reporting_Limit_Type	0004	RL		
A1	148	Reporting_Limit_Type	0004	RL		
A1	149	Reporting_Limit_Type	0004	RL		
A1	150	Reporting_Limit_Type	0004	RL		
A1	151	Reporting_Limit_Type	0004	RL		
A1	152	Reporting_Limit_Type	0004	RL		
A1	153	Reporting_Limit_Type	0004	RL		
A1	154	Reporting_Limit_Type	0004	RL		
A1	155	Reporting_Limit_Type	0004	RL		
A1	156	Reporting_Limit_Type	0004	RL		
A1	157	Reporting_Limit_Type	0004	RL		
A1	158	Reporting_Limit_Type	0004	RL		
A1	159	Reporting_Limit_Type	0004	RL		
A1	160	Reporting_Limit_Type	0004	RL		
A1	161	Reporting_Limit_Type	0004	RL		
A1	162	Reporting_Limit_Type	0004	RL		
A1	163	Reporting_Limit_Type	0004	RL		
A1	164	Reporting_Limit_Type	0004	RL		
A1	165	Reporting_Limit_Type	0004	RL		
A1	166	Reporting_Limit_Type	0004	RL		
A1	167	Reporting_Limit_Type	0004	RL		
A1	168	Reporting_Limit_Type	0004	RL		
A1	169	Reporting_Limit_Type	0004	RL		
A1	170	Reporting_Limit_Type	0004	RL		
A1	171	Reporting_Limit_Type	0004	RL		
A1	172	Reporting_Limit_Type	0004	RL		
A1	173	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	174	Reporting_Limit_Type	0004	RL		
A1	175	Reporting_Limit_Type	0004	RL		
A1	176	Reporting_Limit_Type	0004	RL		
A1	177	Reporting_Limit_Type	0004	RL		
A1	178	Reporting_Limit_Type	0004	RL		
A1	179	Reporting_Limit_Type	0004	RL		
A1	180	Reporting_Limit_Type	0004	RL		
A1	181	Reporting_Limit_Type	0004	RL		
A1	182	Reporting_Limit_Type	0004	RL		
A1	183	Reporting_Limit_Type	0004	RL		
A1	184	Reporting_Limit_Type	0004	RL		
A1	185	Reporting_Limit_Type	0004	RL		
A1	186	Reporting_Limit_Type	0004	RL		
A1	187	Reporting_Limit_Type	0004	RL		
A1	188	Reporting_Limit_Type	0004	RL		
A1	189	Reporting_Limit_Type	0004	RL		
A1	190	Reporting_Limit_Type	0004	RL		
A1	191	Reporting_Limit_Type	0004	RL		
A1	192	Reporting_Limit_Type	0004	RL		
A1	193	Reporting_Limit_Type	0004	RL		
A1	194	Reporting_Limit_Type	0004	RL		
A1	195	Reporting_Limit_Type	0004	RL		
A1	196	Reporting_Limit_Type	0004	RL		
A1	197	Reporting_Limit_Type	0004	RL		
A1	198	Reporting_Limit_Type	0004	RL		
A1	199	Reporting_Limit_Type	0004	RL		
A1	200	Reporting_Limit_Type	0004	RL		
A1	201	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	202	Reporting_Limit_Type	0004	RL		
A1	203	Reporting_Limit_Type	0004	RL		
A1	204	Reporting_Limit_Type	0004	RL		
A1	205	Reporting_Limit_Type	0004	RL		
A1	206	Reporting_Limit_Type	0004	RL		
A1	207	Reporting_Limit_Type	0004	RL		
A1	208	Reporting_Limit_Type	0004	RL		
A1	209	Reporting_Limit_Type	0004	RL		
A1	210	Reporting_Limit_Type	0004	RL		
A1	211	Reporting_Limit_Type	0004	RL		
A1	212	Reporting_Limit_Type	0004	RL		
A1	213	Reporting_Limit_Type	0004	RL		
A1	214	Reporting_Limit_Type	0004	RL		
A1	215	Reporting_Limit_Type	0004	RL		
A1	216	Reporting_Limit_Type	0004	RL		
A1	217	Reporting_Limit_Type	0004	RL		
A1	218	Reporting_Limit_Type	0004	RL		
A1	219	Reporting_Limit_Type	0004	RL		
A1	220	Reporting_Limit_Type	0004	RL		
A1	221	Reporting_Limit_Type	0004	RL		
A1	222	Reporting_Limit_Type	0004	RL		
A1	223	Reporting_Limit_Type	0004	RL		
A1	224	Reporting_Limit_Type	0004	RL		
A1	225	Reporting_Limit_Type	0004	RL		
A1	226	Reporting_Limit_Type	0004	RL		
A1	227	Reporting_Limit_Type	0004	RL		
A1	228	Reporting_Limit_Type	0004	RL		
A1	229	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	230	Reporting_Limit_Type	0004	RL		
A1	231	Reporting_Limit_Type	0004	RL		
A1	232	Reporting_Limit_Type	0004	RL		
A1	233	Reporting_Limit_Type	0004	RL		
A1	234	Reporting_Limit_Type	0004	RL		
A1	235	Reporting_Limit_Type	0004	RL		
A1	236	Reporting_Limit_Type	0004	RL		
A1	237	Reporting_Limit_Type	0004	RL		
A1	238	Reporting_Limit_Type	0004	RL		
A1	239	Reporting_Limit_Type	0004	RL		
A1	240	Reporting_Limit_Type	0004	RL		
A1	241	Reporting_Limit_Type	0004	RL		
A1	242	Reporting_Limit_Type	0004	RL		
A1	243	Reporting_Limit_Type	0004	RL		
A1	244	Reporting_Limit_Type	0004	RL		
A1	245	Reporting_Limit_Type	0004	RL		
A1	246	Reporting_Limit_Type	0004	RL		
A1	247	Reporting_Limit_Type	0004	RL		
A1	248	Reporting_Limit_Type	0004	RL		
A1	249	Reporting_Limit_Type	0004	RL		
A1	250	Reporting_Limit_Type	0004	RL		
A1	251	Reporting_Limit_Type	0004	RL		
A1	252	Reporting_Limit_Type	0004	RL		
A1	253	Reporting_Limit_Type	0004	RL		
A1	254	Reporting_Limit_Type	0004	RL		
A1	255	Reporting_Limit_Type	0004	RL		
A1	256	Reporting_Limit_Type	0004	RL		
A1	257	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	258	Reporting_Limit_Type	0004	RL		
A1	259	Reporting_Limit_Type	0004	RL		
A1	260	Reporting_Limit_Type	0004	RL		
A1	261	Reporting_Limit_Type	0004	RL		
A1	262	Reporting_Limit_Type	0004	RL		
A1	263	Reporting_Limit_Type	0004	RL		
A1	264	Reporting_Limit_Type	0004	RL		
A1	265	Reporting_Limit_Type	0004	RL		
A1	266	Reporting_Limit_Type	0004	RL		
A1	267	Reporting_Limit_Type	0004	RL		
A1	268	Reporting_Limit_Type	0004	RL		
A1	269	Reporting_Limit_Type	0004	RL		
A1	270	Reporting_Limit_Type	0004	RL		
A1	271	Reporting_Limit_Type	0004	RL		
A1	272	Reporting_Limit_Type	0004	RL		
A1	273	Reporting_Limit_Type	0004	RL		
A1	274	Reporting_Limit_Type	0004	RL		
A1	275	Reporting_Limit_Type	0004	RL		
A1	276	Reporting_Limit_Type	0004	RL		
A1	277	Reporting_Limit_Type	0004	RL		
A1	278	Reporting_Limit_Type	0004	RL		
A1	279	Reporting_Limit_Type	0004	RL		
A1	280	Reporting_Limit_Type	0004	RL		
A1	281	Reporting_Limit_Type	0004	RL		
A1	282	Reporting_Limit_Type	0004	RL		
A1	283	Reporting_Limit_Type	0004	RL		
A1	284	Reporting_Limit_Type	0004	RL		
A1	285	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	286	Reporting_Limit_Type	0004 RL		
A1	287	Reporting_Limit_Type	0004 RL		
A1	288	Reporting_Limit_Type	0004 RL		
A1	289	Reporting_Limit_Type	0004 RL		
A1	290	Reporting_Limit_Type	0004 RL		
A1	291	Reporting_Limit_Type	0004 RL		
A1	292	Reporting_Limit_Type	0004 RL		
A1	293	Reporting_Limit_Type	0004 RL		
A1	294	Reporting_Limit_Type	0004 RL		
A1	295	Reporting_Limit_Type	0004 RL		
A1	296	Reporting_Limit_Type	0004 RL		
A1	297	Reporting_Limit_Type	0004 RL		
A1	298	Reporting_Limit_Type	0004 RL		
A1	299	Reporting_Limit_Type	0004 RL		
A1	300	Reporting_Limit_Type	0004 RL		
A1	301	Reporting_Limit_Type	0004 RL		
A1	302	Reporting_Limit_Type	0004 RL		
A1	303	Reporting_Limit_Type	0004 RL		
A1	304	Reporting_Limit_Type	0004 RL		
A1	305	Reporting_Limit_Type	0004 RL		
A1	306	Reporting_Limit_Type	0004 RL		
A1	307	Reporting_Limit_Type	0004 RL		
A1	308	Reporting_Limit_Type	0004 RL		
A1	309	Reporting_Limit_Type	0004 RL		
A1	310	Reporting_Limit_Type	0004 RL		
A1	311	Reporting_Limit_Type	0004 RL		
A1	312	Reporting_Limit_Type	0004 RL		
A1	313	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	314	Reporting_Limit_Type	0004	RL		
A1	315	Reporting_Limit_Type	0004	RL		
A1	316	Reporting_Limit_Type	0004	RL		
A1	317	Reporting_Limit_Type	0004	RL		
A1	318	Reporting_Limit_Type	0004	RL		
A1	319	Reporting_Limit_Type	0004	RL		
A1	320	Reporting_Limit_Type	0004	RL		
A1	321	Reporting_Limit_Type	0004	RL		
A1	322	Reporting_Limit_Type	0004	RL		
A1	323	Reporting_Limit_Type	0004	RL		
A1	324	Reporting_Limit_Type	0004	RL		
A1	325	Reporting_Limit_Type	0004	RL		
A1	326	Reporting_Limit_Type	0004	RL		
A1	327	Reporting_Limit_Type	0004	RL		
A1	328	Reporting_Limit_Type	0004	RL		
A1	329	Reporting_Limit_Type	0004	RL		
A1	330	Reporting_Limit_Type	0004	RL		
A1	331	Reporting_Limit_Type	0004	RL		
A1	332	Reporting_Limit_Type	0004	RL		
A1	333	Reporting_Limit_Type	0004	RL		
A1	334	Reporting_Limit_Type	0004	RL		
A1	335	Reporting_Limit_Type	0004	RL		
A1	336	Reporting_Limit_Type	0004	RL		
A1	337	Reporting_Limit_Type	0004	RL		
A1	338	Reporting_Limit_Type	0004	RL		
A1	339	Reporting_Limit_Type	0004	RL		
A1	340	Reporting_Limit_Type	0004	RL		
A1	341	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	342	Reporting_Limit_Type	0004	RL		
A1	343	Reporting_Limit_Type	0004	RL		
A1	344	Reporting_Limit_Type	0004	RL		
A1	345	Reporting_Limit_Type	0004	RL		
A1	346	Reporting_Limit_Type	0004	RL		
A1	347	Reporting_Limit_Type	0004	RL		
A1	348	Reporting_Limit_Type	0004	RL		
A1	349	Reporting_Limit_Type	0004	RL		
A1	350	Reporting_Limit_Type	0004	RL		
A1	351	Reporting_Limit_Type	0004	RL		
A1	352	Reporting_Limit_Type	0004	RL		
A1	353	Reporting_Limit_Type	0004	RL		
A1	354	Reporting_Limit_Type	0004	RL		
A1	355	Reporting_Limit_Type	0004	RL		
A1	356	Reporting_Limit_Type	0004	RL		
A1	357	Reporting_Limit_Type	0004	RL		
A1	358	Reporting_Limit_Type	0004	RL		
A1	359	Reporting_Limit_Type	0004	RL		
A1	360	Reporting_Limit_Type	0004	RL		
A1	361	Reporting_Limit_Type	0004	RL		
A1	362	Reporting_Limit_Type	0004	RL		
A1	363	Reporting_Limit_Type	0004	RL		
A1	364	Reporting_Limit_Type	0004	RL		
A1	365	Reporting_Limit_Type	0004	RL		
A1	366	Reporting_Limit_Type	0004	RL		
A1	367	Reporting_Limit_Type	0004	RL		
A1	368	Reporting_Limit_Type	0004	RL		
A1	369	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	370	Reporting_Limit_Type	0004	RL		
A1	371	Reporting_Limit_Type	0004	RL		
A1	372	Reporting_Limit_Type	0004	RL		
A1	373	Reporting_Limit_Type	0004	RL		
A1	374	Reporting_Limit_Type	0004	RL		
A1	375	Reporting_Limit_Type	0004	RL		
A1	376	Reporting_Limit_Type	0004	RL		
A1	377	Reporting_Limit_Type	0004	RL		
A1	378	Reporting_Limit_Type	0004	RL		
A1	379	Reporting_Limit_Type	0004	RL		
A1	380	Reporting_Limit_Type	0004	RL		
A1	381	Reporting_Limit_Type	0004	RL		
A1	382	Reporting_Limit_Type	0004	RL		
A1	383	Reporting_Limit_Type	0004	RL		
A1	384	Reporting_Limit_Type	0004	RL		
A1	385	Reporting_Limit_Type	0004	RL		
A1	386	Reporting_Limit_Type	0004	RL		
A1	387	Reporting_Limit_Type	0004	RL		
A1	388	Reporting_Limit_Type	0004	RL		
A1	389	Reporting_Limit_Type	0004	RL		
A1	390	Reporting_Limit_Type	0004	RL		
A1	391	Reporting_Limit_Type	0004	RL		
A1	392	Reporting_Limit_Type	0004	RL		
A1	393	Reporting_Limit_Type	0004	RL		
A1	394	Reporting_Limit_Type	0004	RL		
A1	395	Reporting_Limit_Type	0004	RL		
A1	396	Reporting_Limit_Type	0004	RL		
A1	397	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	398	Reporting_Limit_Type	0004	RL		
A1	399	Reporting_Limit_Type	0004	RL		
A1	400	Reporting_Limit_Type	0004	RL		
A1	401	Reporting_Limit_Type	0004	RL		
A1	402	Reporting_Limit_Type	0004	RL		
A1	403	Reporting_Limit_Type	0004	RL		
A1	404	Reporting_Limit_Type	0004	RL		
A1	405	Reporting_Limit_Type	0004	RL		
A1	406	Reporting_Limit_Type	0004	RL		
A1	407	Reporting_Limit_Type	0004	RL		
A1	408	Reporting_Limit_Type	0004	RL		
A1	409	Reporting_Limit_Type	0004	RL		
A1	410	Reporting_Limit_Type	0004	RL		
A1	411	Reporting_Limit_Type	0004	RL		
A1	412	Reporting_Limit_Type	0004	RL		
A1	413	Reporting_Limit_Type	0004	RL		
A1	414	Reporting_Limit_Type	0004	RL		
A1	415	Reporting_Limit_Type	0004	RL		
A1	416	Reporting_Limit_Type	0004	RL		
A1	417	Reporting_Limit_Type	0004	RL		
A1	418	Reporting_Limit_Type	0004	RL		
A1	419	Reporting_Limit_Type	0004	RL		
A1	420	Reporting_Limit_Type	0004	RL		
A1	421	Reporting_Limit_Type	0004	RL		
A1	422	Reporting_Limit_Type	0004	RL		
A1	423	Reporting_Limit_Type	0004	RL		
A1	424	Reporting_Limit_Type	0004	RL		
A1	425	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	426	Reporting_Limit_Type	0004	RL		
A1	427	Reporting_Limit_Type	0004	RL		
A1	428	Reporting_Limit_Type	0004	RL		
A1	429	Reporting_Limit_Type	0004	RL		
A1	430	Reporting_Limit_Type	0004	RL		
A1	431	Reporting_Limit_Type	0004	RL		
A1	432	Reporting_Limit_Type	0004	RL		
A1	433	Reporting_Limit_Type	0004	RL		
A1	434	Reporting_Limit_Type	0004	RL		
A1	435	Reporting_Limit_Type	0004	RL		
A1	436	Reporting_Limit_Type	0004	RL		
A1	437	Reporting_Limit_Type	0004	RL		
A1	438	Reporting_Limit_Type	0004	RL		
A1	439	Reporting_Limit_Type	0004	RL		
A1	440	Reporting_Limit_Type	0004	RL		
A1	441	Reporting_Limit_Type	0004	RL		
A1	442	Reporting_Limit_Type	0004	RL		
A1	443	Reporting_Limit_Type	0004	RL		
A1	444	Reporting_Limit_Type	0004	RL		
A1	445	Reporting_Limit_Type	0004	RL		
A1	446	Reporting_Limit_Type	0004	RL		
A1	447	Reporting_Limit_Type	0004	RL		
A1	448	Reporting_Limit_Type	0004	RL		
A1	449	Reporting_Limit_Type	0004	RL		
A1	450	Reporting_Limit_Type	0004	RL		
A1	451	Reporting_Limit_Type	0004	RL		
A1	452	Reporting_Limit_Type	0004	RL		
A1	453	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	454	Reporting_Limit_Type	0004	RL		
A1	455	Reporting_Limit_Type	0004	RL		
A1	456	Reporting_Limit_Type	0004	RL		
A1	457	Reporting_Limit_Type	0004	RL		
A1	458	Reporting_Limit_Type	0004	RL		
A1	459	Reporting_Limit_Type	0004	RL		
A1	460	Reporting_Limit_Type	0004	RL		
A1	461	Reporting_Limit_Type	0004	RL		
A1	462	Reporting_Limit_Type	0004	RL		
A1	463	Reporting_Limit_Type	0004	RL		
A1	464	Reporting_Limit_Type	0004	RL		
A1	465	Reporting_Limit_Type	0004	RL		
A1	466	Reporting_Limit_Type	0004	RL		
A1	467	Reporting_Limit_Type	0004	RL		
A1	468	Reporting_Limit_Type	0004	RL		
A1	469	Reporting_Limit_Type	0004	RL		
A1	470	Reporting_Limit_Type	0004	RL		
A1	471	Reporting_Limit_Type	0004	RL		
A1	472	Reporting_Limit_Type	0004	RL		
A1	473	Reporting_Limit_Type	0004	RL		
A1	474	Reporting_Limit_Type	0004	RL		
A1	475	Reporting_Limit_Type	0004	RL		
A1	476	Reporting_Limit_Type	0004	RL		
A1	477	Reporting_Limit_Type	0004	RL		
A1	478	Reporting_Limit_Type	0004	RL		
A1	479	Reporting_Limit_Type	0004	RL		
A1	480	Reporting_Limit_Type	0004	RL		
A1	481	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	482	Reporting_Limit_Type	0004	RL		
A1	483	Reporting_Limit_Type	0004	RL		
A1	484	Reporting_Limit_Type	0004	RL		
A1	485	Reporting_Limit_Type	0004	RL		
A1	486	Reporting_Limit_Type	0004	RL		
A1	487	Reporting_Limit_Type	0004	RL		
A1	488	Reporting_Limit_Type	0004	RL		
A1	489	Reporting_Limit_Type	0004	RL		
A1	490	Reporting_Limit_Type	0004	RL		
A1	491	Reporting_Limit_Type	0004	RL		
A1	492	Reporting_Limit_Type	0004	RL		
A1	493	Reporting_Limit_Type	0004	RL		
A1	494	Reporting_Limit_Type	0004	RL		
A1	495	Reporting_Limit_Type	0004	RL		
A1	496	Reporting_Limit_Type	0004	RL		
A1	497	Reporting_Limit_Type	0004	RL		
A1	498	Reporting_Limit_Type	0004	RL		
A1	499	Reporting_Limit_Type	0004	RL		
A1	500	Reporting_Limit_Type	0004	RL		
A1	501	Reporting_Limit_Type	0004	RL		
A1	502	Reporting_Limit_Type	0004	RL		
A1	503	Reporting_Limit_Type	0004	RL		
A1	504	Reporting_Limit_Type	0004	RL		
A1	505	Reporting_Limit_Type	0004	RL		
A1	506	Reporting_Limit_Type	0004	RL		
A1	507	Reporting_Limit_Type	0004	RL		
A1	508	Reporting_Limit_Type	0004	RL		
A1	509	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	510	Reporting_Limit_Type	0004 RL		
A1	511	Reporting_Limit_Type	0004 RL		
A1	512	Reporting_Limit_Type	0004 RL		
A1	513	Reporting_Limit_Type	0004 RL		
A1	514	Reporting_Limit_Type	0004 RL		
A1	515	Reporting_Limit_Type	0004 RL		
A1	516	Reporting_Limit_Type	0004 RL		
A1	517	Reporting_Limit_Type	0004 RL		
A1	518	Reporting_Limit_Type	0004 RL		
A1	519	Reporting_Limit_Type	0004 RL		
A1	520	Reporting_Limit_Type	0004 RL		
A1	521	Reporting_Limit_Type	0004 RL		
A1	522	Reporting_Limit_Type	0004 RL		
A1	523	Reporting_Limit_Type	0004 RL		
A1	524	Reporting_Limit_Type	0004 RL		
A1	525	Reporting_Limit_Type	0004 RL		
A1	526	Reporting_Limit_Type	0004 RL		
A1	527	Reporting_Limit_Type	0004 RL		
A1	528	Reporting_Limit_Type	0004 RL		
A1	529	Reporting_Limit_Type	0004 RL		
A1	530	Reporting_Limit_Type	0004 RL		
A1	531	Reporting_Limit_Type	0004 RL		
A1	532	Reporting_Limit_Type	0004 RL		
A1	533	Reporting_Limit_Type	0004 RL		
A1	534	Reporting_Limit_Type	0004 RL		
A1	535	Reporting_Limit_Type	0004 RL		
A1	536	Reporting_Limit_Type	0004 RL		
A1	537	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	538	Reporting_Limit_Type	0004	RL		
A1	539	Reporting_Limit_Type	0004	RL		
A1	540	Reporting_Limit_Type	0004	RL		
A1	541	Reporting_Limit_Type	0004	RL		
A1	542	Reporting_Limit_Type	0004	RL		
A1	543	Reporting_Limit_Type	0004	RL		
A1	544	Reporting_Limit_Type	0004	RL		
A1	545	Reporting_Limit_Type	0004	RL		
A1	546	Reporting_Limit_Type	0004	RL		
A1	547	Reporting_Limit_Type	0004	RL		
A1	548	Reporting_Limit_Type	0004	RL		
A1	549	Reporting_Limit_Type	0004	RL		
A1	550	Reporting_Limit_Type	0004	RL		
A1	551	Reporting_Limit_Type	0004	RL		
A1	552	Reporting_Limit_Type	0004	RL		
A1	553	Reporting_Limit_Type	0004	RL		
A1	554	Reporting_Limit_Type	0004	RL		
A1	555	Reporting_Limit_Type	0004	RL		
A1	556	Reporting_Limit_Type	0004	RL		
A1	557	Reporting_Limit_Type	0004	RL		
A1	558	Reporting_Limit_Type	0004	RL		
A1	559	Reporting_Limit_Type	0004	RL		
A1	560	Reporting_Limit_Type	0004	RL		
A1	561	Reporting_Limit_Type	0004	RL		
A1	562	Reporting_Limit_Type	0004	RL		
A1	563	Reporting_Limit_Type	0004	RL		
A1	564	Reporting_Limit_Type	0004	RL		
A1	565	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	566	Reporting_Limit_Type	0004 RL		
A1	567	Reporting_Limit_Type	0004 RL		
A1	568	Reporting_Limit_Type	0004 RL		
A1	569	Reporting_Limit_Type	0004 RL		
A1	570	Reporting_Limit_Type	0004 RL		
A1	571	Reporting_Limit_Type	0004 RL		
A1	572	Reporting_Limit_Type	0004 RL		
A1	573	Reporting_Limit_Type	0004 RL		
A1	574	Reporting_Limit_Type	0004 RL		
A1	575	Reporting_Limit_Type	0004 RL		
A1	576	Reporting_Limit_Type	0004 RL		
A1	577	Reporting_Limit_Type	0004 RL		
A1	578	Reporting_Limit_Type	0004 RL		
A1	579	Reporting_Limit_Type	0004 RL		
A1	580	Reporting_Limit_Type	0004 RL		
A1	581	Reporting_Limit_Type	0004 RL		
A1	582	Reporting_Limit_Type	0004 RL		
A1	583	Reporting_Limit_Type	0004 RL		
A1	584	Reporting_Limit_Type	0004 RL		
A1	585	Reporting_Limit_Type	0004 RL		
A1	586	Reporting_Limit_Type	0004 RL		
A1	587	Reporting_Limit_Type	0004 RL		
A1	588	Reporting_Limit_Type	0004 RL		
A1	589	Reporting_Limit_Type	0004 RL		
A1	590	Reporting_Limit_Type	0004 RL		
A1	591	Reporting_Limit_Type	0004 RL		
A1	592	Reporting_Limit_Type	0004 RL		
A1	593	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	594	Reporting_Limit_Type	0004	RL		
A1	595	Reporting_Limit_Type	0004	RL		
A1	596	Reporting_Limit_Type	0004	RL		
A1	597	Reporting_Limit_Type	0004	RL		
A1	598	Reporting_Limit_Type	0004	RL		
A1	599	Reporting_Limit_Type	0004	RL		
A1	600	Reporting_Limit_Type	0004	RL		
A1	601	Reporting_Limit_Type	0004	RL		
A1	602	Reporting_Limit_Type	0004	RL		
A1	603	Reporting_Limit_Type	0004	RL		
A1	604	Reporting_Limit_Type	0004	RL		
A1	605	Reporting_Limit_Type	0004	RL		
A1	606	Reporting_Limit_Type	0004	RL		
A1	607	Reporting_Limit_Type	0004	RL		
A1	608	Reporting_Limit_Type	0004	RL		
A1	609	Reporting_Limit_Type	0004	RL		
A1	610	Reporting_Limit_Type	0004	RL		
A1	611	Reporting_Limit_Type	0004	RL		
A1	612	Reporting_Limit_Type	0004	RL		
A1	613	Reporting_Limit_Type	0004	RL		
A1	614	Reporting_Limit_Type	0004	RL		
A1	615	Reporting_Limit_Type	0004	RL		
A1	616	Reporting_Limit_Type	0004	RL		
A1	617	Reporting_Limit_Type	0004	RL		
A1	618	Reporting_Limit_Type	0004	RL		
A1	619	Reporting_Limit_Type	0004	RL		
A1	620	Reporting_Limit_Type	0004	RL		
A1	621	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	622	Reporting_Limit_Type	0004	RL		
A1	623	Reporting_Limit_Type	0004	RL		
A1	624	Reporting_Limit_Type	0004	RL		
A1	625	Reporting_Limit_Type	0004	RL		
A1	626	Reporting_Limit_Type	0004	RL		
A1	627	Reporting_Limit_Type	0004	RL		
A1	628	Reporting_Limit_Type	0004	RL		
A1	629	Reporting_Limit_Type	0004	RL		
A1	630	Reporting_Limit_Type	0004	RL		
A1	631	Reporting_Limit_Type	0004	RL		
A1	632	Reporting_Limit_Type	0004	RL		
A1	633	Reporting_Limit_Type	0004	RL		
A1	634	Reporting_Limit_Type	0004	RL		
A1	635	Reporting_Limit_Type	0004	RL		
A1	636	Reporting_Limit_Type	0004	RL		
A1	637	Reporting_Limit_Type	0004	RL		
A1	638	Reporting_Limit_Type	0004	RL		
A1	639	Reporting_Limit_Type	0004	RL		
A1	640	Reporting_Limit_Type	0004	RL		
A1	641	Reporting_Limit_Type	0004	RL		
A1	642	Reporting_Limit_Type	0004	RL		
A1	643	Reporting_Limit_Type	0004	RL		
A1	644	Reporting_Limit_Type	0004	RL		
A1	645	Reporting_Limit_Type	0004	RL		
A1	646	Reporting_Limit_Type	0004	RL		
A1	647	Reporting_Limit_Type	0004	RL		
A1	648	Reporting_Limit_Type	0004	RL		
A1	649	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	650	Reporting_Limit_Type	0004	RL		
A1	651	Reporting_Limit_Type	0004	RL		
A1	652	Reporting_Limit_Type	0004	RL		
A1	653	Reporting_Limit_Type	0004	RL		
A1	654	Reporting_Limit_Type	0004	RL		
A1	655	Reporting_Limit_Type	0004	RL		
A1	656	Reporting_Limit_Type	0004	RL		
A1	657	Reporting_Limit_Type	0004	RL		
A1	658	Reporting_Limit_Type	0004	RL		
A1	659	Reporting_Limit_Type	0004	RL		
A1	660	Reporting_Limit_Type	0004	RL		
A1	661	Reporting_Limit_Type	0004	RL		
A1	662	Reporting_Limit_Type	0004	RL		
A1	663	Reporting_Limit_Type	0004	RL		
A1	664	Reporting_Limit_Type	0004	RL		
A1	665	Reporting_Limit_Type	0004	RL		
A1	666	Reporting_Limit_Type	0004	RL		
A1	667	Reporting_Limit_Type	0004	RL		
A1	668	Reporting_Limit_Type	0004	RL		
A1	669	Reporting_Limit_Type	0004	RL		
A1	670	Reporting_Limit_Type	0004	RL		
A1	671	Reporting_Limit_Type	0004	RL		
A1	672	Reporting_Limit_Type	0004	RL		
A1	673	Reporting_Limit_Type	0004	RL		
A1	674	Reporting_Limit_Type	0004	RL		
A1	675	Reporting_Limit_Type	0004	RL		
A1	676	Reporting_Limit_Type	0004	RL		
A1	677	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	678	Reporting_Limit_Type	0004	RL		
A1	679	Reporting_Limit_Type	0004	RL		
A1	680	Reporting_Limit_Type	0004	RL		
A1	681	Reporting_Limit_Type	0004	RL		
A1	682	Reporting_Limit_Type	0004	RL		
A1	683	Reporting_Limit_Type	0004	RL		
A1	684	Reporting_Limit_Type	0004	RL		
A1	685	Reporting_Limit_Type	0004	RL		
A1	686	Reporting_Limit_Type	0004	RL		
A1	687	Reporting_Limit_Type	0004	RL		
A1	688	Reporting_Limit_Type	0004	RL		
A1	689	Reporting_Limit_Type	0004	RL		
A1	690	Reporting_Limit_Type	0004	RL		
A1	691	Reporting_Limit_Type	0004	RL		
A1	692	Reporting_Limit_Type	0004	RL		
A1	693	Reporting_Limit_Type	0004	RL		
A1	694	Reporting_Limit_Type	0004	RL		
A1	695	Reporting_Limit_Type	0004	RL		
A1	696	Reporting_Limit_Type	0004	RL		
A1	697	Reporting_Limit_Type	0004	RL		
A1	698	Reporting_Limit_Type	0004	RL		
A1	699	Reporting_Limit_Type	0004	RL		
A1	700	Reporting_Limit_Type	0004	RL		
A1	701	Reporting_Limit_Type	0004	RL		
A1	702	Reporting_Limit_Type	0004	RL		
A1	703	Reporting_Limit_Type	0004	RL		
A1	704	Reporting_Limit_Type	0004	RL		
A1	705	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	706	Reporting_Limit_Type	0004	RL		
A1	707	Reporting_Limit_Type	0004	RL		
A1	708	Reporting_Limit_Type	0004	RL		
A1	709	Reporting_Limit_Type	0004	RL		
A1	710	Reporting_Limit_Type	0004	RL		
A1	711	Reporting_Limit_Type	0004	RL		
A1	712	Reporting_Limit_Type	0004	RL		
A1	713	Reporting_Limit_Type	0004	RL		
A1	714	Reporting_Limit_Type	0004	RL		
A1	715	Reporting_Limit_Type	0004	RL		
A1	716	Reporting_Limit_Type	0004	RL		
A1	717	Reporting_Limit_Type	0004	RL		
A1	718	Reporting_Limit_Type	0004	RL		
A1	719	Reporting_Limit_Type	0004	RL		
A1	720	Reporting_Limit_Type	0004	RL		
A1	721	Reporting_Limit_Type	0004	RL		
A1	722	Reporting_Limit_Type	0004	RL		
A1	723	Reporting_Limit_Type	0004	RL		
A1	724	Reporting_Limit_Type	0004	RL		
A1	725	Reporting_Limit_Type	0004	RL		
A1	726	Reporting_Limit_Type	0004	RL		
A1	727	Reporting_Limit_Type	0004	RL		
A1	728	Reporting_Limit_Type	0004	RL		
A1	729	Reporting_Limit_Type	0004	RL		
A1	730	Reporting_Limit_Type	0004	RL		
A1	731	Reporting_Limit_Type	0004	RL		
A1	732	Reporting_Limit_Type	0004	RL		
A1	733	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	734	Reporting_Limit_Type	0004	RL		
A1	735	Reporting_Limit_Type	0004	RL		
A1	736	Reporting_Limit_Type	0004	RL		
A1	737	Reporting_Limit_Type	0004	RL		
A1	738	Reporting_Limit_Type	0004	RL		
A1	739	Reporting_Limit_Type	0004	RL		
A1	740	Reporting_Limit_Type	0004	RL		
A1	741	Reporting_Limit_Type	0004	RL		
A1	742	Reporting_Limit_Type	0004	RL		
A1	743	Reporting_Limit_Type	0004	RL		
A1	744	Reporting_Limit_Type	0004	RL		
A1	745	Reporting_Limit_Type	0004	RL		
A1	746	Reporting_Limit_Type	0004	RL		
A1	747	Reporting_Limit_Type	0004	RL		
A1	748	Reporting_Limit_Type	0004	RL		
A1	749	Reporting_Limit_Type	0004	RL		
A1	750	Reporting_Limit_Type	0004	RL		
A1	751	Reporting_Limit_Type	0004	RL		
A1	752	Reporting_Limit_Type	0004	RL		
A1	753	Reporting_Limit_Type	0004	RL		
A1	754	Reporting_Limit_Type	0004	RL		
A1	755	Reporting_Limit_Type	0004	RL		
A1	756	Reporting_Limit_Type	0004	RL		
A1	757	Reporting_Limit_Type	0004	RL		
A1	758	Reporting_Limit_Type	0004	RL		
A1	759	Reporting_Limit_Type	0004	RL		
A1	760	Reporting_Limit_Type	0004	RL		
A1	761	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	762	Reporting_Limit_Type	0004	RL		
A1	763	Reporting_Limit_Type	0004	RL		
A1	764	Reporting_Limit_Type	0004	RL		
A1	765	Reporting_Limit_Type	0004	RL		
A1	766	Reporting_Limit_Type	0004	RL		
A1	767	Reporting_Limit_Type	0004	RL		
A1	768	Reporting_Limit_Type	0004	RL		
A1	769	Reporting_Limit_Type	0004	RL		
A1	770	Reporting_Limit_Type	0004	RL		
A1	771	Reporting_Limit_Type	0004	RL		
A1	772	Reporting_Limit_Type	0004	RL		
A1	773	Reporting_Limit_Type	0004	RL		
A1	774	Reporting_Limit_Type	0004	RL		
A1	775	Reporting_Limit_Type	0004	RL		
A1	776	Reporting_Limit_Type	0004	RL		
A1	777	Reporting_Limit_Type	0004	RL		
A1	778	Reporting_Limit_Type	0004	RL		
A1	779	Reporting_Limit_Type	0004	RL		
A1	780	Reporting_Limit_Type	0004	RL		
A1	781	Reporting_Limit_Type	0004	RL		
A1	782	Reporting_Limit_Type	0004	RL		
A1	783	Reporting_Limit_Type	0004	RL		
A1	784	Reporting_Limit_Type	0004	RL		
A1	785	Reporting_Limit_Type	0004	RL		
A1	786	Reporting_Limit_Type	0004	RL		
A1	787	Reporting_Limit_Type	0004	RL		
A1	788	Reporting_Limit_Type	0004	RL		
A1	789	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	790	Reporting_Limit_Type	0004	RL		
A1	791	Reporting_Limit_Type	0004	RL		
A1	792	Reporting_Limit_Type	0004	RL		
A1	793	Reporting_Limit_Type	0004	RL		
A1	794	Reporting_Limit_Type	0004	RL		
A1	795	Reporting_Limit_Type	0004	RL		
A1	796	Reporting_Limit_Type	0004	RL		
A1	797	Reporting_Limit_Type	0004	RL		
A1	798	Reporting_Limit_Type	0004	RL		
A1	799	Reporting_Limit_Type	0004	RL		
A1	800	Reporting_Limit_Type	0004	RL		
A1	801	Reporting_Limit_Type	0004	RL		
A1	802	Reporting_Limit_Type	0004	RL		
A1	803	Reporting_Limit_Type	0004	RL		
A1	804	Reporting_Limit_Type	0004	RL		
A1	805	Reporting_Limit_Type	0004	RL		
A1	806	Reporting_Limit_Type	0004	RL		
A1	807	Reporting_Limit_Type	0004	RL		
A1	808	Reporting_Limit_Type	0004	RL		
A1	809	Reporting_Limit_Type	0004	RL		
A1	810	Reporting_Limit_Type	0004	RL		
A1	811	Reporting_Limit_Type	0004	RL		
A1	812	Reporting_Limit_Type	0004	RL		
A1	813	Reporting_Limit_Type	0004	RL		
A1	814	Reporting_Limit_Type	0004	RL		
A1	815	Reporting_Limit_Type	0004	RL		
A1	816	Reporting_Limit_Type	0004	RL		
A1	817	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	818	Reporting_Limit_Type	0004	RL		
A1	819	Reporting_Limit_Type	0004	RL		
A1	820	Reporting_Limit_Type	0004	RL		
A1	821	Reporting_Limit_Type	0004	RL		
A1	822	Reporting_Limit_Type	0004	RL		
A1	823	Reporting_Limit_Type	0004	RL		
A1	824	Reporting_Limit_Type	0004	RL		
A1	825	Reporting_Limit_Type	0004	RL		
A1	826	Reporting_Limit_Type	0004	RL		
A1	827	Reporting_Limit_Type	0004	RL		
A1	828	Reporting_Limit_Type	0004	RL		
A1	829	Reporting_Limit_Type	0004	RL		
A1	830	Reporting_Limit_Type	0004	RL		
A1	831	Reporting_Limit_Type	0004	RL		
A1	832	Reporting_Limit_Type	0004	RL		
A1	833	Reporting_Limit_Type	0004	RL		
A1	834	Reporting_Limit_Type	0004	RL		
A1	835	Reporting_Limit_Type	0004	RL		
A1	836	Reporting_Limit_Type	0004	RL		
A1	837	Reporting_Limit_Type	0004	RL		
A1	838	Reporting_Limit_Type	0004	RL		
A1	839	Reporting_Limit_Type	0004	RL		
A1	840	Reporting_Limit_Type	0004	RL		
A1	841	Reporting_Limit_Type	0004	RL		
A1	842	Reporting_Limit_Type	0004	RL		
A1	843	Reporting_Limit_Type	0004	RL		
A1	844	Reporting_Limit_Type	0004	RL		
A1	845	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	846	Reporting_Limit_Type	0004	RL		
A1	847	Reporting_Limit_Type	0004	RL		
A1	848	Reporting_Limit_Type	0004	RL		
A1	849	Reporting_Limit_Type	0004	RL		
A1	850	Reporting_Limit_Type	0004	RL		
A1	851	Reporting_Limit_Type	0004	RL		
A1	852	Reporting_Limit_Type	0004	RL		
A1	853	Reporting_Limit_Type	0004	RL		
A1	854	Reporting_Limit_Type	0004	RL		
A1	855	Reporting_Limit_Type	0004	RL		
A1	856	Reporting_Limit_Type	0004	RL		
A1	857	Reporting_Limit_Type	0004	RL		
A1	858	Reporting_Limit_Type	0004	RL		
A1	859	Reporting_Limit_Type	0004	RL		
A1	860	Reporting_Limit_Type	0004	RL		
A1	861	Reporting_Limit_Type	0004	RL		
A1	862	Reporting_Limit_Type	0004	RL		
A1	863	Reporting_Limit_Type	0004	RL		
A1	864	Reporting_Limit_Type	0004	RL		
A1	865	Reporting_Limit_Type	0004	RL		
A1	866	Reporting_Limit_Type	0004	RL		
A1	867	Reporting_Limit_Type	0004	RL		
A1	868	Reporting_Limit_Type	0004	RL		
A1	869	Reporting_Limit_Type	0004	RL		
A1	870	Reporting_Limit_Type	0004	RL		
A1	871	Reporting_Limit_Type	0004	RL		
A1	872	Reporting_Limit_Type	0004	RL		
A1	873	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	874	Reporting_Limit_Type	0004	RL		
A1	875	Reporting_Limit_Type	0004	RL		
A1	876	Reporting_Limit_Type	0004	RL		
A1	877	Reporting_Limit_Type	0004	RL		
A1	878	Reporting_Limit_Type	0004	RL		
A1	879	Reporting_Limit_Type	0004	RL		
A1	880	Reporting_Limit_Type	0004	RL		
A1	881	Reporting_Limit_Type	0004	RL		
A1	882	Reporting_Limit_Type	0004	RL		
A1	883	Reporting_Limit_Type	0004	RL		
A1	884	Reporting_Limit_Type	0004	RL		
A1	885	Reporting_Limit_Type	0004	RL		
A1	886	Reporting_Limit_Type	0004	RL		
A1	887	Reporting_Limit_Type	0004	RL		
A1	888	Reporting_Limit_Type	0004	RL		
A1	889	Reporting_Limit_Type	0004	RL		
A1	890	Reporting_Limit_Type	0004	RL		
A1	891	Reporting_Limit_Type	0004	RL		
A1	892	Reporting_Limit_Type	0004	RL		
A1	893	Reporting_Limit_Type	0004	RL		
A1	894	Reporting_Limit_Type	0004	RL		
A1	895	Reporting_Limit_Type	0004	RL		
A1	896	Reporting_Limit_Type	0004	RL		
A1	897	Reporting_Limit_Type	0004	RL		
A1	898	Reporting_Limit_Type	0004	RL		
A1	899	Reporting_Limit_Type	0004	RL		
A1	900	Reporting_Limit_Type	0004	RL		
A1	901	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	902	Reporting_Limit_Type	0004	RL		
A1	903	Reporting_Limit_Type	0004	RL		
A1	904	Reporting_Limit_Type	0004	RL		
A1	905	Reporting_Limit_Type	0004	RL		
A1	906	Reporting_Limit_Type	0004	RL		
A1	907	Reporting_Limit_Type	0004	RL		
A1	908	Reporting_Limit_Type	0004	RL		
A1	909	Reporting_Limit_Type	0004	RL		
A1	910	Reporting_Limit_Type	0004	RL		
A1	911	Reporting_Limit_Type	0004	RL		
A1	912	Reporting_Limit_Type	0004	RL		
A1	913	Reporting_Limit_Type	0004	RL		
A1	914	Reporting_Limit_Type	0004	RL		
A1	915	Reporting_Limit_Type	0004	RL		
A1	916	Reporting_Limit_Type	0004	RL		
A1	917	Reporting_Limit_Type	0004	RL		
A1	918	Reporting_Limit_Type	0004	RL		
A1	919	Reporting_Limit_Type	0004	RL		
A1	920	Reporting_Limit_Type	0004	RL		
A1	921	Reporting_Limit_Type	0004	RL		
A1	922	Reporting_Limit_Type	0004	RL		
A1	923	Reporting_Limit_Type	0004	RL		
A1	924	Reporting_Limit_Type	0004	RL		
A1	925	Reporting_Limit_Type	0004	RL		
A1	926	Reporting_Limit_Type	0004	RL		
A1	927	Reporting_Limit_Type	0004	RL		
A1	928	Reporting_Limit_Type	0004	RL		
A1	929	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	930	Reporting_Limit_Type	0004	RL		
A1	931	Reporting_Limit_Type	0004	RL		
A1	932	Reporting_Limit_Type	0004	RL		
A1	933	Reporting_Limit_Type	0004	RL		
A1	934	Reporting_Limit_Type	0004	RL		
A1	935	Reporting_Limit_Type	0004	RL		
A1	936	Reporting_Limit_Type	0004	RL		
A1	937	Reporting_Limit_Type	0004	RL		
A1	938	Reporting_Limit_Type	0004	RL		
A1	939	Reporting_Limit_Type	0004	RL		
A1	940	Reporting_Limit_Type	0004	RL		
A1	941	Reporting_Limit_Type	0004	RL		
A1	942	Reporting_Limit_Type	0004	RL		
A1	943	Reporting_Limit_Type	0004	RL		
A1	944	Reporting_Limit_Type	0004	RL		
A1	945	Reporting_Limit_Type	0004	RL		
A1	946	Reporting_Limit_Type	0004	RL		
A1	947	Reporting_Limit_Type	0004	RL		
A1	948	Reporting_Limit_Type	0004	RL		
A1	949	Reporting_Limit_Type	0004	RL		
A1	950	Reporting_Limit_Type	0004	RL		
A1	951	Reporting_Limit_Type	0004	RL		
A1	952	Reporting_Limit_Type	0004	RL		
A1	953	Reporting_Limit_Type	0004	RL		
A1	954	Reporting_Limit_Type	0004	RL		
A1	955	Reporting_Limit_Type	0004	RL		
A1	956	Reporting_Limit_Type	0004	RL		
A1	957	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	958	Reporting_Limit_Type	0004	RL		
A1	959	Reporting_Limit_Type	0004	RL		
A1	960	Reporting_Limit_Type	0004	RL		
A1	961	Reporting_Limit_Type	0004	RL		
A1	962	Reporting_Limit_Type	0004	RL		
A1	963	Reporting_Limit_Type	0004	RL		
A1	964	Reporting_Limit_Type	0004	RL		
A1	965	Reporting_Limit_Type	0004	RL		
A1	966	Reporting_Limit_Type	0004	RL		
A1	967	Reporting_Limit_Type	0004	RL		
A1	968	Reporting_Limit_Type	0004	RL		
A1	969	Reporting_Limit_Type	0004	RL		
A1	970	Reporting_Limit_Type	0004	RL		
A1	971	Reporting_Limit_Type	0004	RL		
A1	972	Reporting_Limit_Type	0004	RL		
A1	973	Reporting_Limit_Type	0004	RL		
A1	974	Reporting_Limit_Type	0004	RL		
A1	975	Reporting_Limit_Type	0004	RL		
A1	976	Reporting_Limit_Type	0004	RL		
A1	977	Reporting_Limit_Type	0004	RL		
A1	978	Reporting_Limit_Type	0004	RL		
A1	979	Reporting_Limit_Type	0004	RL		
A1	980	Reporting_Limit_Type	0004	RL		
A1	981	Reporting_Limit_Type	0004	RL		
A1	982	Reporting_Limit_Type	0004	RL		
A1	983	Reporting_Limit_Type	0004	RL		
A1	984	Reporting_Limit_Type	0004	RL		
A1	985	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	986	Reporting_Limit_Type	0004	RL		
A1	987	Reporting_Limit_Type	0004	RL		
A1	988	Reporting_Limit_Type	0004	RL		
A1	989	Reporting_Limit_Type	0004	RL		
A1	990	Reporting_Limit_Type	0004	RL		
A1	991	Reporting_Limit_Type	0004	RL		
A1	992	Reporting_Limit_Type	0004	RL		
A1	993	Reporting_Limit_Type	0004	RL		
A1	994	Reporting_Limit_Type	0004	RL		
A1	995	Reporting_Limit_Type	0004	RL		
A1	996	Reporting_Limit_Type	0004	RL		
A1	997	Reporting_Limit_Type	0004	RL		
A1	998	Reporting_Limit_Type	0004	RL		
A1	999	Reporting_Limit_Type	0004	RL		
A1	1000	Reporting_Limit_Type	0004	RL		
A1	1001	Reporting_Limit_Type	0004	RL		
A1	1002	Reporting_Limit_Type	0004	RL		
A1	1003	Reporting_Limit_Type	0004	RL		
A1	1004	Reporting_Limit_Type	0004	RL		
A1	1005	Reporting_Limit_Type	0004	RL		
A1	1006	Reporting_Limit_Type	0004	RL		
A1	1007	Reporting_Limit_Type	0004	RL		
A1	1008	Reporting_Limit_Type	0004	RL		
A1	1009	Reporting_Limit_Type	0004	RL		
A1	1010	Reporting_Limit_Type	0004	RL		
A1	1011	Reporting_Limit_Type	0004	RL		
A1	1012	Reporting_Limit_Type	0004	RL		
A1	1013	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1014	Reporting_Limit_Type	0004	RL		
A1	1015	Reporting_Limit_Type	0004	RL		
A1	1016	Reporting_Limit_Type	0004	RL		
A1	1017	Reporting_Limit_Type	0004	RL		
A1	1018	Reporting_Limit_Type	0004	RL		
A1	1019	Reporting_Limit_Type	0004	RL		
A1	1020	Reporting_Limit_Type	0004	RL		
A1	1021	Reporting_Limit_Type	0004	RL		
A1	1022	Reporting_Limit_Type	0004	RL		
A1	1023	Reporting_Limit_Type	0004	RL		
A1	1024	Reporting_Limit_Type	0004	RL		
A1	1025	Reporting_Limit_Type	0004	RL		
A1	1026	Reporting_Limit_Type	0004	RL		
A1	1027	Reporting_Limit_Type	0004	RL		
A1	1028	Reporting_Limit_Type	0004	RL		
A1	1029	Reporting_Limit_Type	0004	RL		
A1	1030	Reporting_Limit_Type	0004	RL		
A1	1031	Reporting_Limit_Type	0004	RL		
A1	1032	Reporting_Limit_Type	0004	RL		
A1	1033	Reporting_Limit_Type	0004	RL		
A1	1034	Reporting_Limit_Type	0004	RL		
A1	1035	Reporting_Limit_Type	0004	RL		
A1	1036	Reporting_Limit_Type	0004	RL		
A1	1037	Reporting_Limit_Type	0004	RL		
A1	1038	Reporting_Limit_Type	0004	RL		
A1	1039	Reporting_Limit_Type	0004	RL		
A1	1040	Reporting_Limit_Type	0004	RL		
A1	1041	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1042	Reporting_Limit_Type	0004	RL		
A1	1043	Reporting_Limit_Type	0004	RL		
A1	1044	Reporting_Limit_Type	0004	RL		
A1	1045	Reporting_Limit_Type	0004	RL		
A1	1046	Reporting_Limit_Type	0004	RL		
A1	1047	Reporting_Limit_Type	0004	RL		
A1	1048	Reporting_Limit_Type	0004	RL		
A1	1049	Reporting_Limit_Type	0004	RL		
A1	1050	Reporting_Limit_Type	0004	RL		
A1	1051	Reporting_Limit_Type	0004	RL		
A1	1052	Reporting_Limit_Type	0004	RL		
A1	1053	Reporting_Limit_Type	0004	RL		
A1	1054	Reporting_Limit_Type	0004	RL		
A1	1055	Reporting_Limit_Type	0004	RL		
A1	1056	Reporting_Limit_Type	0004	RL		
A1	1057	Reporting_Limit_Type	0004	RL		
A1	1058	Reporting_Limit_Type	0004	RL		
A1	1059	Reporting_Limit_Type	0004	RL		
A1	1060	Reporting_Limit_Type	0004	RL		
A1	1061	Reporting_Limit_Type	0004	RL		
A1	1062	Reporting_Limit_Type	0004	RL		
A1	1063	Reporting_Limit_Type	0004	RL		
A1	1064	Reporting_Limit_Type	0004	RL		
A1	1065	Reporting_Limit_Type	0004	RL		
A1	1066	Reporting_Limit_Type	0004	RL		
A1	1067	Reporting_Limit_Type	0004	RL		
A1	1068	Reporting_Limit_Type	0004	RL		
A1	1069	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1070	Reporting_Limit_Type	0004	RL	
A1	1071	Reporting_Limit_Type	0004	RL	
A1	1072	Reporting_Limit_Type	0004	RL	
A1	1073	Reporting_Limit_Type	0004	RL	
A1	1074	Reporting_Limit_Type	0004	RL	
A1	1075	Reporting_Limit_Type	0004	RL	
A1	1076	Reporting_Limit_Type	0004	RL	
A1	1077	Reporting_Limit_Type	0004	RL	
A1	1078	Reporting_Limit_Type	0004	RL	
A1	1079	Reporting_Limit_Type	0004	RL	
A1	1080	Reporting_Limit_Type	0004	RL	
A1	1081	Reporting_Limit_Type	0004	RL	
A1	1082	Reporting_Limit_Type	0004	RL	
A1	1083	Reporting_Limit_Type	0004	RL	
A1	1084	Reporting_Limit_Type	0004	RL	
A1	1085	Reporting_Limit_Type	0004	RL	
A1	1086	Reporting_Limit_Type	0004	RL	
A1	1087	Reporting_Limit_Type	0004	RL	
A1	1088	Reporting_Limit_Type	0004	RL	
A1	1089	Reporting_Limit_Type	0004	RL	
A1	1090	Reporting_Limit_Type	0004	RL	
A1	1091	Reporting_Limit_Type	0004	RL	
A1	1092	Reporting_Limit_Type	0004	RL	
A1	1093	Reporting_Limit_Type	0004	RL	
A1	1094	Reporting_Limit_Type	0004	RL	
A1	1095	Reporting_Limit_Type	0004	RL	
A1	1096	Reporting_Limit_Type	0004	RL	
A1	1097	Reporting_Limit_Type	0004	RL	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1098	Reporting_Limit_Type	0004	RL		
A1	1099	Reporting_Limit_Type	0004	RL		
A1	1100	Reporting_Limit_Type	0004	RL		
A1	1101	Reporting_Limit_Type	0004	RL		
A1	1102	Reporting_Limit_Type	0004	RL		
A1	1103	Reporting_Limit_Type	0004	RL		
A1	1104	Reporting_Limit_Type	0004	RL		
A1	1105	Reporting_Limit_Type	0004	RL		
A1	1106	Reporting_Limit_Type	0004	RL		
A1	1107	Reporting_Limit_Type	0004	RL		
A1	1108	Reporting_Limit_Type	0004	RL		
A1	1109	Reporting_Limit_Type	0004	RL		
A1	1110	Reporting_Limit_Type	0004	RL		
A1	1111	Reporting_Limit_Type	0004	RL		
A1	1112	Reporting_Limit_Type	0004	RL		
A1	1113	Reporting_Limit_Type	0004	RL		
A1	1114	Reporting_Limit_Type	0004	RL		
A1	1115	Reporting_Limit_Type	0004	RL		
A1	1116	Reporting_Limit_Type	0004	RL		
A1	1117	Reporting_Limit_Type	0004	RL		
A1	1118	Reporting_Limit_Type	0004	RL		
A1	1119	Reporting_Limit_Type	0004	RL		
A1	1120	Reporting_Limit_Type	0004	RL		
A1	1121	Reporting_Limit_Type	0004	RL		
A1	1122	Reporting_Limit_Type	0004	RL		
A1	1123	Reporting_Limit_Type	0004	RL		
A1	1124	Reporting_Limit_Type	0004	RL		
A1	1125	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1126	Reporting_Limit_Type	0004	RL	
A1	1127	Reporting_Limit_Type	0004	RL	
A1	1128	Reporting_Limit_Type	0004	RL	
A1	1129	Reporting_Limit_Type	0004	RL	
A1	1130	Reporting_Limit_Type	0004	RL	
A1	1131	Reporting_Limit_Type	0004	RL	
A1	1132	Reporting_Limit_Type	0004	RL	
A1	1133	Reporting_Limit_Type	0004	RL	
A1	1134	Reporting_Limit_Type	0004	RL	
A1	1135	Reporting_Limit_Type	0004	RL	
A1	1136	Reporting_Limit_Type	0004	RL	
A1	1137	Reporting_Limit_Type	0004	RL	
A3		Project Number	0025	The project name "B & B GROUNDWATER SAMPLING" entered in one or more records does not match any of the project names entered in the standard values table.	
A3		Project Number	0025	The project number "ECO-13-601" entered in one or more records does not match any of the project numbers entered in the standard values table.	
A3	1	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	2	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	3	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	6	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	7	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	8	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	9	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	10	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	11	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	12	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	13	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	14	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	17	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	18	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	19	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	20	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	21	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	22	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	25	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	26	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	27	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	28	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	31	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	32	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	33	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	34	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	35	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	36	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	39	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	40	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	41	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	44	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	45	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	46	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	49	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	50	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	51	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	52	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	53	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	54	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	57	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	58	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	59	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	60	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	61	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	62	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	65	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	66	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	67	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	70	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	71	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	72	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	73	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	74	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	75	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	76	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	77	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	78	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	79	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	80	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	81	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	82	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	83	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	84	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	85	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	86	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	87	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

0001	*The number of characters entered in the field exceeds the number allowed for that field*
0002	*Non-numeric entry in a numeric field*
0003	*Non-date entry or incorrectly formatted date in a date field*
0004	*Value entered was not found in the Standard Value List (see Appendix B and C)*
0005	*Analytical Method, Analtye ID, Analyte Name, Matrix, and Units not found in the reference project library*
0006	*RPD value is missing from a MSD, LCSD, or laboratory duplicate sample*
0007	*Target analyte specified in library files not found in the EDD*
0008	*Discrepancy in related records found between the tables Sample Analysis and Analytical Result*
0009	*Required field is missing information*
0010	*Surrogate compounds specified in the reference project library are not found in table Analytical Results*
0011	*Surrogate compounds not specified in the reference project library are found in table Analytical Results*
0012	*Spike compounds specified in the reference project library are not found in table Analytical Results or vice versa*
0013	*Target analyte not specified in the reference project library is found in Analytical Results table*
0014	*Handling Batch ID (for leachates) is missing in Table A3*
0015	*Lab_Sample_ID can not have more than one matrix type assigned to it*
0016	*Analysis_Batch ID present in the Sample Analysis table is missing from the Laboratory Instrument table*
0017	*Analysis_Batch ID present in the Laboratory Instrument table is missing from the Sample Analysis table*
0018	*Run_Batch present in the Sample Analysis table is missing from the Laboratory Instrument table*
0019	*Run_Batch present in the Laboratory Instrument table is missing from the Sample Analysis table*
0020	*Target analytes and surrogates not specified in the reference project library are found in the Laboratory Intrument table*
0021	*Analysis_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS continuing calibration (QC_Type = CCV)*
0022	*Run_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS initial calibration (QC_Type = IC)*
0023	*Incorrect naming or inconsistent collection date for MS/MSD sample and/or parent sample*
0024	*Problems with %RSD, Correlation Coefficient, and/or RRFs reported for GC/MS calibration records.*
0025	*Project Number or Project Name reported in the EDD not found in the Standard Value table*
0026	*Result value for a non-detected analyte does not match the Reporting_Limit value as reported in the EDD*
0027	*ClientSampleID present in Analytical Results table but missing in the Sample Analysis table or vice versa*
0028	*Missing associated Method Blank records for a specific Preparation Batch / Analytical Method*
0029	*Missing associated Laboratory Control Sample records for a specific Preparation Batch / Analytical Method*
0030	*Missing associated Matrix Spike / Duplicate records for a specific Method Batch / Analytical Method*
0031	*Record specified in the reference project library not found in the Analytical Results table where Reportable Result = Yes*
0032	*Duplicate records found in table Analytical Results for fields ClientSampleID, Collected, AnalyticalMethod, AnalytedID where Reportable_Result = Yes*
0033	*Missing calibration records in Table A2*

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D142

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/14/2015 23:57**

0034	*Report Limit from table Analytical Results exceeds the value in the reference project library (corrected for dilution and perc moist, if appl)*
0035	*Missing target analytes in IC, ICV, CV, or CCV*
0036	*Surrogate Recovery has a value greater than zero but the Lab Qualifier is like "*U*"*
0037	*Duplicate records in Table A1, A2, or A3*
0038	*Problems with QC Batch assignment*

Field QC and Associated Samples

Lab Reporting Batch : 15D142 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
04-21-15-FDUP-3	**FD**	04-21-15-BBW-3	04/21/2015 14:55
04-21-15-TB-6	**TB**	04-21-15-AMW-3R	04/21/2015 14:45
		04-21-15-BBW-3	04/21/2015 14:55
		04-21-15-FDUP-3	04/21/2015 15:00
		04-22-15-AR-1	04/22/2015 08:10
		04-22-15-PWB-1	04/22/2015 08:55
		04-22-15-PWB-13A	04/22/2015 09:10
04-21-15-TB-7	**TB**	04-21-15-AMW-3R	04/21/2015 14:45
		04-21-15-BBW-3	04/21/2015 14:55
		04-21-15-FDUP-3	04/21/2015 15:00
		04-22-15-AR-1	04/22/2015 08:10
		04-22-15-PWB-1	04/22/2015 08:55
		04-22-15-PWB-13A	04/22/2015 09:10
04-22-15-TB-8	**TB**	04-21-15-AMW-3R	04/21/2015 14:45
		04-21-15-BBW-3	04/21/2015 14:55
		04-21-15-FDUP-3	04/21/2015 15:00
		04-22-15-AR-1	04/22/2015 08:10
		04-22-15-PWB-1	04/22/2015 08:55
		04-22-15-PWB-13A	04/22/2015 09:10

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

EDD Preparation Batch Summary and Associated Samples
EDD Reporting Batch ID: 15D142

Method: 300.0

Matrix ID: AQ Preparation Batch: ICD022W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD022WB	ICD022WB	RES	MB	04/22/2015 11:22
ICD022WL	ICD022WL	RES	LCS	04/22/2015 11:41
ICD022WC	ICD022WC	RES	LCSD	04/22/2015 11:59
04-21-15-BBW-3	D142-01	RES	Normal sample	04/22/2015 15:07
04-21-15-FDUP-3	D142-02	RES	Normal sample	04/22/2015 15:26
04-22-15-AR-1	D142-05	RES	Normal sample	04/22/2015 16:41
04-21-15-AMW-3R	D142-03	RES	Normal sample	04/22/2015 17:00
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/22/2015 17:18
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/22/2015 17:37
04-22-15-PWB-1	D142-07	RES	Normal sample	04/22/2015 18:52
04-22-15-PWB-13A	D142-09	RES	Normal sample	04/22/2015 19:11
04-21-15-AMW-3R	D142-03I	DL	Normal sample	04/22/2015 20:26
04-21-15-AMW-3RMS	D142-03IM	DL	MS	04/22/2015 20:45
04-21-15-AMW-3RMSD	D142-03IS	DL	MSD	04/22/2015 21:03

Matrix ID: AQ Preparation Batch: ICD024W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD024WL	ICD024WL	RES	LCS	04/22/2015 21:22
ICD024WC	ICD024WC	RES	LCSD	04/22/2015 21:41
ICD024WB	ICD024WB	RES	MB	04/22/2015 22:37
04-21-15-BBW-3	D142-01I	DL	Normal sample	04/22/2015 22:56
04-21-15-FDUP-3	D142-02I	DL	Normal sample	04/22/2015 23:15
04-22-15-AR-1	D142-05I	DL	Normal sample	04/22/2015 23:33
04-22-15-PWB-1	D142-07I	DL	Normal sample	04/22/2015 23:52
04-22-15-PWB-13A	D142-09I	DL	Normal sample	04/23/2015 00:11

Method: 415.1

Matrix ID: AQ **Preparation Batch: TCD008W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCD008WB	TCD008WB	RES	MB	04/25/2015 03:56
TCD008WL	TCD008WL	RES	LCS	04/25/2015 04:09
TCD008WC	TCD008WC	RES	LCSD	04/25/2015 04:22
04-21-15-BBW-3	D142-01	RES	Normal sample	04/25/2015 04:33
04-21-15-FDUP-3	D142-02	RES	Normal sample	04/25/2015 04:44
04-21-15-AMW-3R	D142-03	RES	Normal sample	04/25/2015 04:54
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/25/2015 05:07
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/25/2015 05:19
04-22-15-AR-1	D142-05	RES	Normal sample	04/25/2015 05:30
04-22-15-PWB-1	D142-07	RES	Normal sample	04/25/2015 05:41
04-22-15-PWB-13A	D142-09	RES	Normal sample	04/25/2015 06:21

Method: 8151

Matrix ID: AQ **Preparation Batch: HED009W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED009WB	HED009WB	RES	MB	04/24/2015 17:50
HED009WL	HED009WL	RES	LCS	04/24/2015 18:18
HED009WC	HED009WC	RES	LCSD	04/24/2015 18:55
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/24/2015 19:31
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/24/2015 20:08
04-21-15-BBW-3	D142-01	RES	Normal sample	04/24/2015 21:58
04-21-15-FDUP-3	D142-02	RES	Normal sample	04/24/2015 22:34
04-21-15-AMW-3R	D142-03	RES	Normal sample	04/24/2015 23:11
04-22-15-AR-1	D142-05	RES	Normal sample	04/25/2015 01:37
04-22-15-PWB-1	D142-07	RES	Normal sample	04/25/2015 02:14
04-22-15-PWB-13A	D142-09	RES	Normal sample	04/25/2015 02:50

Method: 8260B

Matrix ID: AQ **Preparation Batch: VO67E01**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67E01L	VO67E01L	RES	LCS	05/01/2015 08:38
VO67E01C	VO67E01C	RES	LCSD	05/01/2015 09:12
VO67E01B	VO67E01B	RES	MB	05/01/2015 10:19
04-21-15-BBW-3	D142-01	RES	Normal sample	05/01/2015 11:24
04-21-15-FDUP-3	D142-02	RES	Normal sample	05/01/2015 12:00
04-21-15-TB-7	D142-04	RES	Normal sample	05/01/2015 12:34
04-22-15-AR-1	D142-05	RES	Normal sample	05/01/2015 13:13
04-21-15-TB-6	D142-06	RES	Normal sample	05/01/2015 13:48
04-22-15-PWB-1	D142-07	RES	Normal sample	05/01/2015 14:22
04-22-15-TB-8	D142-08	RES	Normal sample	05/01/2015 14:56
04-22-15-PWB-13A	D142-09	RES	Normal sample	05/01/2015 15:30
04-21-15-AMW-3R	D142-03	RES	Normal sample	05/01/2015 16:40
04-21-15-AMW-3RMS	D142-03M	RES	MS	05/01/2015 17:17
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	05/01/2015 17:50

Method: 8260B SIM

Matrix ID: AQ **Preparation Batch: VO01D22**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D22L	VO01D22L	RES	LCS	04/24/2015 11:42
VO01D22C	VO01D22C	RES	LCSD	04/24/2015 12:07
VO01D22Q	VO01D22Q	RES	MB	04/24/2015 13:15
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/24/2015 14:56
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/24/2015 15:20
04-21-15-BBW-3	D142-01	RES	Normal sample	04/24/2015 15:45
04-21-15-FDUP-3	D142-02	RES	Normal sample	04/24/2015 16:10
04-22-15-AR-1	D142-05	RES	Normal sample	04/24/2015 16:35
04-22-15-PWB-1	D142-07	RES	Normal sample	04/24/2015 17:00
04-21-15-AMW-3R	D142-03	RES	Normal sample	04/24/2015 17:25
04-22-15-PWB-13A	D142-09	RES	Normal sample	04/24/2015 19:55
04-22-15-PWB-13A	D142-09I	DL	Normal sample	04/24/2015 20:20

Method: FE3500

Matrix ID: AQ **Preparation Batch: FED001W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FED001WB	FED001WB	RES	MB	04/22/2015 19:02
FED001WL	FED001WL	RES	LCS	04/22/2015 19:02
FED001WC	FED001WC	RES	LCSD	04/22/2015 19:02
04-21-15-FDUP-3	D142-02	RES	Normal sample	04/22/2015 19:03
04-21-15-AMW-3R	D142-03	RES	Normal sample	04/22/2015 19:03
04-21-15-BBW-3	D142-01	RES	Normal sample	04/22/2015 19:03
04-21-15-AMW-3RDUP	D142-03D	RES	DUP	04/22/2015 19:04
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/22/2015 19:04
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/22/2015 19:14
04-22-15-PWB-13A	D142-09	RES	Normal sample	04/22/2015 19:15
04-22-15-PWB-1	D142-07	RES	Normal sample	04/22/2015 19:15
04-22-15-AR-1	D142-05	RES	Normal sample	04/22/2015 19:15

Method: SM4500S2D

Matrix ID: AQ **Preparation Batch: SFD004W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFD004WB	SFD004WB	RES	MB	04/27/2015 14:01
SFD004WC	SFD004WC	RES	LCSD	04/27/2015 14:01
SFD004WL	SFD004WL	RES	LCS	04/27/2015 14:01
04-21-15-FDUP-3	D142-02	RES	Normal sample	04/27/2015 14:02
04-21-15-BBW-3	D142-01	RES	Normal sample	04/27/2015 14:02
04-21-15-AMW-3R	D142-03	RES	Normal sample	04/27/2015 14:03
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/27/2015 14:04
04-21-15-AMW-3RDUP	D142-03D	RES	DUP	04/27/2015 14:04
04-22-15-AR-1	D142-05	RES	Normal sample	04/27/2015 14:05
04-22-15-PWB-1	D142-07	RES	Normal sample	04/27/2015 14:05
04-22-15-PWB-13A	D142-09	RES	Normal sample	04/27/2015 14:09

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 15D142

Method: 300.0

Matrix ID: AQ Method Batch: ICD022W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD022WL	ICD022WL	RES	LCS	04/22/2015 11:41
ICD022WC	ICD022WC	RES	LCSD	04/22/2015 11:59
04-21-15-BBW-3	D142-01	RES		04/22/2015 15:07
04-21-15-FDUP-3	D142-02	RES		04/22/2015 15:26
04-22-15-AR-1	D142-05	RES		04/22/2015 16:41
04-21-15-AMW-3R	D142-03	RES		04/22/2015 17:00
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/22/2015 17:18
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/22/2015 17:37
04-22-15-PWB-1	D142-07	RES		04/22/2015 18:52
04-22-15-PWB-13A	D142-09	RES		04/22/2015 19:11
04-21-15-AMW-3R	D142-03I	DL		04/22/2015 20:26
04-21-15-AMW-3RMS	D142-03IM	DL	MS	04/22/2015 20:45
04-21-15-AMW-3RMSD	D142-03IS	DL	MSD	04/22/2015 21:03

Matrix ID: AQ Method Batch: ICD024W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD024WL	ICD024WL	RES	LCS	04/22/2015 21:22
ICD024WC	ICD024WC	RES	LCSD	04/22/2015 21:41
04-21-15-BBW-3	D142-01I	DL		04/22/2015 22:56
04-21-15-FDUP-3	D142-02I	DL		04/22/2015 23:15
04-22-15-AR-1	D142-05I	DL		04/22/2015 23:33
04-22-15-PWB-1	D142-07I	DL		04/22/2015 23:52
04-22-15-PWB-13A	D142-09I	DL		04/23/2015 00:11

Method: 415.1

Matrix ID: AQ Method Batch: TCD008W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCD008WL	TCD008WL	RES	LCS	04/25/2015 04:09
TCD008WC	TCD008WC	RES	LCSD	04/25/2015 04:22
04-21-15-BBW-3	D142-01	RES		04/25/2015 04:33
04-21-15-FDUP-3	D142-02	RES		04/25/2015 04:44
04-21-15-AMW-3R	D142-03	RES		04/25/2015 04:54
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/25/2015 05:07
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/25/2015 05:19
04-22-15-AR-1	D142-05	RES		04/25/2015 05:30
04-22-15-PWB-1	D142-07	RES		04/25/2015 05:41
04-22-15-PWB-13A	D142-09	RES		04/25/2015 06:21

Method: 8151

Matrix ID: AQ Method Batch: HED009W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED009WL	HED009WL	RES	LCS	04/24/2015 18:18
HED009WC	HED009WC	RES	LCSD	04/24/2015 18:55
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/24/2015 19:31
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/24/2015 20:08
04-21-15-BBW-3	D142-01	RES		04/24/2015 21:58
04-21-15-FDUP-3	D142-02	RES		04/24/2015 22:34
04-21-15-AMW-3R	D142-03	RES		04/24/2015 23:11
04-22-15-AR-1	D142-05	RES		04/25/2015 01:37
04-22-15-PWB-1	D142-07	RES		04/25/2015 02:14
04-22-15-PWB-13A	D142-09	RES		04/25/2015 02:50

Method: 8260B

Matrix ID: AQ Method Batch: VO67E01

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67E01L	VO67E01L	RES	LCS	05/01/2015 08:38
VO67E01C	VO67E01C	RES	LCSD	05/01/2015 09:12
04-21-15-BBW-3	D142-01	RES		05/01/2015 11:24
04-21-15-FDUP-3	D142-02	RES		05/01/2015 12:00
04-21-15-TB-7	D142-04	RES		05/01/2015 12:34
04-22-15-AR-1	D142-05	RES		05/01/2015 13:13
04-21-15-TB-6	D142-06	RES		05/01/2015 13:48
04-22-15-PWB-1	D142-07	RES		05/01/2015 14:22
04-22-15-TB-8	D142-08	RES		05/01/2015 14:56
04-22-15-PWB-13A	D142-09	RES		05/01/2015 15:30
04-21-15-AMW-3R	D142-03	RES		05/01/2015 16:40
04-21-15-AMW-3RMS	D142-03M	RES	MS	05/01/2015 17:17
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	05/01/2015 17:50

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO01D22

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D22L	VO01D22L	RES	LCS	04/24/2015 11:42
VO01D22C	VO01D22C	RES	LCSD	04/24/2015 12:07
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/24/2015 14:56
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/24/2015 15:20
04-21-15-BBW-3	D142-01	RES		04/24/2015 15:45
04-21-15-FDUP-3	D142-02	RES		04/24/2015 16:10
04-22-15-AR-1	D142-05	RES		04/24/2015 16:35
04-22-15-PWB-1	D142-07	RES		04/24/2015 17:00
04-21-15-AMW-3R	D142-03	RES		04/24/2015 17:25
04-22-15-PWB-13A	D142-09	RES		04/24/2015 19:55
04-22-15-PWB-13A	D142-09I	DL		04/24/2015 20:20

Method: FE3500

Matrix ID: AQ Method Batch: FED001W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FED001WC	FED001WC	RES	LCSD	04/22/2015 19:02
FED001WL	FED001WL	RES	LCS	04/22/2015 19:02
04-21-15-AMW-3R	D142-03	RES		04/22/2015 19:03
04-21-15-BBW-3	D142-01	RES		04/22/2015 19:03
04-21-15-FDUP-3	D142-02	RES		04/22/2015 19:03
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/22/2015 19:04
04-21-15-AMW-3RDUP	D142-03D	RES	DUP	04/22/2015 19:04
04-21-15-AMW-3RMSD	D142-03S	RES	MSD	04/22/2015 19:14
04-22-15-PWB-13A	D142-09	RES		04/22/2015 19:15
04-22-15-PWB-1	D142-07	RES		04/22/2015 19:15
04-22-15-AR-1	D142-05	RES		04/22/2015 19:15

Method: SM4500S2D

Matrix ID: AQ Method Batch: SFD004W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFD004WC	SFD004WC	RES	LCSD	04/27/2015 14:01
SFD004WL	SFD004WL	RES	LCS	04/27/2015 14:01
04-21-15-BBW-3	D142-01	RES		04/27/2015 14:02
04-21-15-FDUP-3	D142-02	RES		04/27/2015 14:02
04-21-15-AMW-3R	D142-03	RES		04/27/2015 14:03
04-21-15-AMW-3RMS	D142-03M	RES	MS	04/27/2015 14:04
04-21-15-AMW-3RDUP	D142-03D	RES	DUP	04/27/2015 14:04
04-22-15-PWB-1	D142-07	RES		04/27/2015 14:05
04-22-15-AR-1	D142-05	RES		04/27/2015 14:05
04-22-15-PWB-13A	D142-09	RES		04/27/2015 14:09

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : VO01D22 **Analysis Method :** 8260B SIM **Analysis Date :** 04/24/2015

Preparation Batch : VO01D22 **Preparation Type :** 5030B **Preparation Date :** 04/24/2015

Lab Reporting Batch : 15D142 **Lab ID:** EMXT

				Reported *		Project Limits (Percent)			
Client Sample ID	**Lab Sample ID**	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
04-21-15-AMW-3RMSD	D142-03S	AQ	1,2,3-TRICHLOROPROPANE	128		0.00	75.00	125.00	30.00

Associated Samples: **All samples in Method Batch**

Client Sample ID	**Lab Sample ID**
04-21-15-AMW-3R	D142-03
04-21-15-BBW-3	D142-01
04-21-15-FDUP-3	D142-02
04-22-15-AR-1	D142-05
04-22-15-PWB-1	D142-07
04-22-15-PWB-13A	D142-09I
04-22-15-PWB-13A	D142-09

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : VO67E01 **Analysis Method :** 8260B **Analysis Date :** 05/01/2015

Preparation Batch : VO67E01 **Preparation Type :** 5030B **Preparation Date :** 05/01/2015

Lab Reporting Batch : 15D142 **Lab ID:** EMXT

				Reported *		Project Limits (Percent)			
Client Sample ID	**Lab Sample ID**	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
04-21-15-AMW-3RMSD	D142-03S	AQ	VINYL ACETATE	62		0.00	65.00	135.00	30.00

Associated Samples: **All samples in Method Batch**

Client Sample ID	**Lab Sample ID**
04-21-15-AMW-3R	D142-03
04-21-15-BBW-3	D142-01
04-21-15-FDUP-3	D142-02
04-21-15-TB-6	D142-06
04-21-15-TB-7	D142-04
04-22-15-AR-1	D142-05
04-22-15-PWB-1	D142-07
04-22-15-PWB-13A	D142-09
04-22-15-TB-8	D142-08

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: 15D142 **Lab ID:** EMXT

			Field Sample				Field Sample Duplicate						
Analysis Method	**Matrix**	**Analyte Name**	**Client Sample ID**	**Ana Type**	**Result**	**Lab Qualifier**	**Client Sample Duplicate ID**	**Ana Type**	**Result**	**Lab Qualifier**	**RPD Dup* (%)**	**RPD Criteria (%)**	**Result Units**
8260B	AQ	ACETONE	04-21-15-BBW-3	RES	10	U	04-21-15-FDUP-3	RES	6.1	J	200.0		UG/L

**Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.*

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Reporting Limits Outlier Report

Lab Report Batch: 15D142 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-21-15-AMW-3R	D142-03	8260B	AQ	1,2-DICHLOROPROPANE	J	0.51	1.00	UG/L
04-21-15-BBW-3	D142-01	415.1	AQ	TOC	J	0.796	1.00	MG/L
		8260B		CHLOROFORM	J	0.39	1.00	UG/L
				METHYLENE CHLORIDE	J	0.94	1.00	UG/L
				TETRACHLOROETHENE	J	0.41	1.00	UG/L
04-21-15-FDUP-3	D142-02	415.1	AQ	TOC	J	0.860	1.00	MG/L
		8260B		ACETONE	J	6.1	10.00	UG/L
				CHLOROFORM	J	0.37	1.00	UG/L
				TETRACHLOROETHENE	J	0.41	1.00	UG/L
04-22-15-AR-1	D142-05	415.1	AQ	TOC	J	0.828	1.00	MG/L
04-22-15-PWB-1	D142-07	415.1	AQ	TOC	J	0.979	1.00	MG/L
04-22-15-PWB-13A	D142-09	415.1	AQ	TOC	J	0.936	1.00	MG/L
		8260B		1,2-DIBROMO-3-CHLOROPROPANE	J	0.76	1.00	UG/L
	D142-09I	8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	0.73	1.25	UG/L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-AMW-3R **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	1.12	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.51	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-AMW-3R **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.4	UG/L		YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-AMW-3R **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	2.4	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.24	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-AMW-3R **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-AMW-3R **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D142-03I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	35.0	MG/L		YES															
SULFATE	116	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-BBW-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.796	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-BBW-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-01

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															P
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	4.8	UG/L		YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.39	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-BBW-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	0.94	UG/L	J	YES	**J**								J						L
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	0.41	UG/L	J	YES	**J**								J						L
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0075	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-BBW-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-BBW-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D142-01I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	38.8	MG/L		YES															
SULFATE	204	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.860	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-02

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	6.1	UG/L	J	YES	**J**								J						L
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	4.7	UG/L		YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.37	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.8	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	0.41	UG/L	J	YES	**J**								J						L
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0060	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-3 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D142-02I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	38.3	MG/L		YES															
SULFATE	201	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-6 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-6 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-6 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-7 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-7 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-7 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AR-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.828	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AR-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.1	UG/L		YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AR-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.068	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AR-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AR-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D142-05I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	36.9	MG/L		YES															
SULFATE	115	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.979	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.11	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-1 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D142-07I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	28.2	MG/L		YES															
SULFATE	117	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-13A **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.936	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.69	UG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	10	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.76	UG/L	J	YES	**J**								J						L
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	9.9	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-13A **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	16	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-13A **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	2.1	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	9.6	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.81	UG/L		YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-13A **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-13A **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D142-09I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	33.7	MG/L		YES															
SULFATE	151	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	9.4	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.73	UG/L	J	NO	**J**								J						L
1,2-DIBROMOETHANE	1.2	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-8 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-08

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-8 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-08

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-8 **Lab Report Batch :** 15D142 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D142-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES	**UJ**					UJ									H-
VINYL CHLORIDE	1.0	UG/L	U	YES															

Data Validation Report

Groundwater Monitoring Data

for
Brown & Bryant

Arvin, CA
Project No.: Eco-13-601

SDG#: 15D142

LEVEL III & IV

Prepared for:

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April, 2015

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EXECUTIVE SUMMARY

This data validation report presents the evaluation and validation of the analytical data for nine (9) ground water samples collected on 04-21-15 and 04-22-15 as part of biannually groundwater monitoring at Brown and Bryant, Arvin, California (CA). EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. The United States Army Corps of Engineers and the State of California have certified EMAX Laboratory to perform the analysis described within this project. (Eco & Associates Inc., April2013).

Nine (9) ground water samples, which included three trip blank samples, one field duplicate sample and one pair of sample as MS/MSD, were collected on 04-21-14 and 04-22-14. EMAX Laboratory received the samples on 04-22-14. Trip blank samples accompanied the samples for volatile organic compounds and were analyzed for EPA Method 8260B only. The data was delivered in one package as Level III and Level IV deliverables. 10% of the data was subjected to validation equivalent to EPA Level IV data validation. Raw data for one sample from this sample group (04-22-15- PWB-1) was submitted as level IV deliverable for all the requested analytical methods. Raw data for designated sample as MS/MSD (04-21-15- AMW-3R) together with all other QC samples were also submitted.

Level III data validation examined quality assurance/quality control (QA/QC) elements such as holding time, (both extraction and analysis), critical quality control measures, completeness of the analysis, extraction logs, instrument injection logs and summaries of initial and continuing calibration standards for the following EPA methods of analysis:

Volatile Organic Compounds by EPA Method **5030B**/**8260B**
Fumigants (EDB, DBCP & 1,2,3-Trichloropropane) by EPA Method **5030B/8260B SIM**
Dinoseb by EPA Method **8151A**
Anions (Nitrite-N, Nitrate-N and Sulfate) by IC, EPA Method **300.0**
Total Organic Carbon by Method **415.1**
Ferrous Iron by Standard Method **3500**
Total Sulfide by Standard Method **4500-S2D**
Methane and dissolved Hydrogen by EPA Method **RSK175**

At level IV data validation, the analytical results, QC results, initial calibration and related continuing calibration summary tables were comprehensively compared with the corresponding raw data and chromatograms presented with level IV data package.

All samples were analyzed for each of the components listed in the corresponding EPA Methods. The evaluation indicated that all the analytical work was performed as requested on the chain of custody. The extraction and analytical holding times were met for all samples in each method and subsequent dilutions.

Generally, data presented with this data package was considered acceptable and met quality control acceptance limits for each EPA Method, with some technical variations. The deviations are discussed in section 4.0 for each method. The results of sample analysis are tabulated in Appendix A.

1.0 INTRODUCTION

This report presents the evaluation and validation of analytical data collected as part of biannually groundwater monitoring at Brown and Bryant Superfund Site at Arvin, California.

1.1 Objectives and Scope of Data Validation

The main objective of this report is to evaluate the acceptability of groundwater data. The data validation was performed according to the analytical requirements of the method in the *Quality Assurance Project Plan, final Draft, Brown and Bryant, Arvin, CA,* (Project No: Eco-13-601, Eco & Associates Inc. December 2013), EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005, *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002) and Department of Defense Quality Systems Manual (DoD QSM) Version 4.2, 2010 .

1.2 Organization of the Report

Section 2.0 describes the components of the data review. Section 3.0 provides the qualitative quality assurance objectives. Section 4.0 summarizes the findings and conclusions of the data validation.

2.0 DATA REVIEW AND VALIDATION

Data validation is a systematic method for reviewing and qualifying the presented analytical data for their intended use. The objective of this data validation report is to identify any unacceptable or faulty measurements if any, as reported by the laboratory.

EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. Army Corps of Engineers and the State of California have certified EMAX laboratory to perform the EPA Methods of analysis described within this report.

Nine (9) ground water samples, which included three trip blank samples and one field duplicate sample, were collected on 04-21-15 and 04-22-15. EMAX Laboratory received the samples on 04-22-15.

2.1 Data Reporting

The data was delivered in one package as Level III and Level IV deliverables. Ten percent of the data was subjected to validation equivalent to EPA Level IV data validation. EMAX Laboratory provided the following information in one data package for both LEVEL III and LEVEL IV deliverable.

- Sample identification number;
- Date of sample collection;
- Sample matrix type;
- Analysis method;
- Target lists and results of analysis;
- Quantitation limits and/or Reporting Limits;
- Laboratory qualifiers and qualifier definitions;
- Copies of sample logs and chain-of-custody logs;
- Sample preparation log (with the sample extraction date)
- Sample Analysis log (Instrument injection log with date and time of injection)
- Summary of initial and continuing calibrations;
- Quality control results and recoveries.

- Case narrative for each method.
- Raw data for all the initial calibration standards, Initial calibration verification standards (ICV), continuing calibration standards (CCV), ion fragments for positive hits, internal standard area counts and retention time window width, where applicable. Raw data for one sample (04-22-15- PWB-1) marked as level IV in the chain of custody as well as sample designated as MS/MSD (04-21-15-AMW-3R); together with the associated QC samples were also included.

.

Data validation was performed in three stages: first an initial review of the analytical reports and QA/QC information was performed using summary results and summary tables only. Then, a full review of all analytical reports, QA/QC information, as well as the corresponding raw and analytical data was carried out. Finally summary tables and corresponding raw data of initial and continuing calibration standards, the extraction log, and injection (sequence) log were fully reviewed. Overall review assessed the effects of QA/QC results on the data usability. The review included such parameters as holding times, initial and continuing calibration method requirements, equipment performance check standards (Instrument tune check and degradation standards), surrogate recoveries, method blank results, lab control sample (LCS) and matrix spike/matrix spike duplicate (MS/MSD) for accuracy and precision.

Level IV data review compared the reported analytical results with those obtained from the raw data. Raw data was submitted for one sample at Level IV data deliverable for all the analytical methods requested on the chain of custody. Calculations and corresponding equations, as well as analyte identification criteria were all verified.

2.2 Data Evaluation

The following parameters were evaluated in the preliminary data review:

- Analysis performed and sample identifications were verified to be in accordance with the information provided on the chain-of-custody (COC);
- Technical holding times were confirmed for all samples with regard to the requested method of analysis (collection to extraction and extraction to analysis);

- Reported quantitation limits were compared with the project measurement objectives;
- Initial and continuing calibration standards were evaluated;
- Equipment performance standards (tuning check standard) was evaluated
- Field and laboratory blank results were evaluated;
- LCS/LCSD and MS/MSD results were evaluated; and
- Field and laboratory matrix duplicate results, trip blank results as well as surrogate recoveries, internal standards and instrument performance check compounds were evaluated.
- Chromatograms and mass spectrum results as well as ion fragments for positive hits were evaluated

The following is a list of sample identifications and corresponding laboratory sample identification numbers:

CLIENT ID	
04-21-15-BBW-3	D142-01
04-21-15- FDUP-3	D142-02
04-21-15- AMW-3R	D142-03
04-21-15- TB-7	D142-04
04-22-15- AR-1	D142-05
04-21-15- TB-6	D142-06
04-22-15-PWB-1	D142-07
04-22-15- TB-8	D142-08
04-22-15- PWB-13A	D142-09
04-21-15- AMW-3R MS	D142-03MS
04-21-15- AMW-3R MSD	D142-03MSD
04-21-15- AMW-3R DUP	D142-03DUP

Field duplicate and associated sample	
04-21-15-FDUP-3	04-21-15- BBW-3

Table 2-1 below shows the specified analysis for constituents in the water samples, the corresponding Environmental Protection Agency (EPA) analytical method, and the corresponding practical quantitation limits (PQL/RL)

TABLE 2-1

Summary of Analytical Parameters
Brown & Bryant, Arvin, California

MATRIX	CONSTITUENT		EPA METHOD	RLs (µg/L)
Water	Volatile Organic Compounds		8260B	1*
	Fumigants (EDB, DBCP and 1,2,3-Trichloropropane)		8260B SIM	0.05-0.05* 0.005(1,2,3-TCP)
	Herbicides (Dinoseb)		8151A	0.40
	Fixed gases	Dissolved Hydrogen	RSK175	10.0
		Methane	RSK175	1.0
	Ferrous Iron		SM3500	2.0mg/L
	Sulfide		SM4500S2D	0.1mg/L
	Anions By IC	Nitrite-N	300.0	0.100(mg/L)
		Nitrate-N	300.0	0.100(mg/L)
		Sulfate	300.0	0.500(mg/L)
	Total Organic Carbon		415.1	1.0mg/L

Notes:
* Reporting limits for each analyte is listed with corresponding sample result table in Appendix A
RL = Reporting Limit,
NA = Not Available
µg/L = microgram/Liter
mg/L= milligram/Liter

2.2.1 Holding Times

Technical holding times are defined as the maximum time allowed between sample collection, extraction and analysis. A 14-day collection-to-analysis holding time was used for EPA Method 8260B and 8260B SIM. Samples were acidified to pH less than 2. A 7-day holding time from collection to extraction, and 40-day holding time from extraction-to-analysis was met, for EPA Method 8151A. Holding time of 48-Hours from collection to analysis was met for analysis of Anions (Nitrate-N and Nitrite-N).

TABLE 2-2
Summary of Analytical Methods and Holding Time Requirements
Brown & Bryant, Arvin, California

ANALYSIS Method	MATRIX	HOLDING TIME REQUIREMENT	DATA QUALIFIED AS "J"	DATA QUALIFIED AS "R"
EPA Method 8260B	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8260B SIM	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8151A	Water	7 days to extraction, 40 days to analysis	None. Holding times were met	None. Holding times were met
Nitrate, Nitrite & by EPA Method 300.0	Water	48 hours to extraction and analysis	None. Holding times were met	None. Holding times were met
Sulfate by EPA Method 300.0	Water	28 days from collection to analysis	None. Holding times were met	None. Holding times were met
Sulfide by SM4500S2D	Water	7 days from collection to analysis	None. Holding times were met	None. Holding times were met
Ferrous Iron by SM3500	Water	24 hours from collection to analysis	None. Holding times were partially met*	None. Holding times were partially met*
TOC by Method 415.1	Water	28 days to analysis	None. Holding times were	None. Holding times were met
Dissolved Hydrogen and Methane by RSK175	Water	14 days from collection to analysis	None. Holding times were met	None. Holding times were met

*The following samples were analyzed for Ferrous Iron **four hours** past holding time

04-21-15- BBW-3
04-21-15- FDUP-3
04-21-15- AMW-3R

2.2.2 Laboratory and Field Blanks

The objective of laboratory and field blanks is to determine the presence and extent of contamination resulting from laboratory or field activities. Blanks reported here included method and/or extraction blanks, and trip blanks. The result of analysis of method blank is discussed in section 4.0 for each method. All samples were transported in three ice preserved coolers and were stored in a refrigerator upon arrival to the laboratory. The temperatures of the coolers were recorded as 2.5˚C, 5.3˚C and 3.7˚C for each upon arrival. All samples were received intact and in good condition.

3.0 QUALITY ASSURANCE OBJECTIVES

Quality assurance (QA) objectives define analytical parameters that validate the conclusions drawn from the results. Quality assurance was assessed through the following means: precision, accuracy, representativeness, completeness, and comparability (PARCC).

3.1 Qualitative QA Objectives

Qualitative aspects of QA for analytical data are characterized by completeness and representativeness.

3.1.1 Comparability

Comparability defines the level of confidence with which one data set can be compared with another. Comparability is related to accuracy and precision. It is also a measure of the data's reliability. All units for comparability are in accordance with standard procedures so that the results could be compared with other laboratories if necessary.

3.1.2 Representativeness

Representativeness is a quantity, which presents whether the results of analysis accurately portray the actual site conditions. Representativeness is a qualitative parameter, which signifies the extent of accuracy and precision, to which the data represent a characteristic population, parameter variations at a sampling point, process condition, or environmental conditions. The sampling procedures described within the approved QAPP (Eco & Associates, Inc., final version, April 2011) are designed to provide samples representative of the site conditions.

3.2 Quantitative QA Objectives

Quantitative QA Objectives for analytical data are defined as precision, accuracy, completeness, and method quantitation limits. These quantitative parameters are established in order to monitor the overall quality of analytical data produced by the laboratory. The laboratory performing the analytical methods specified in Table 2-1, and the case narratives, which is included in the data package from the laboratory, ensures the quality of the analytical data.

3.2.1 Precision

Precision is a measure of the closeness with which multiple analyses of a given sample agree with each other. It describes the agreement between two or more measurements that have been made in exactly the same way. Precision is measured through matrix spike/matrix spike duplicate samples, and laboratory control sample/laboratory control sample duplicate analysis. The relative percent difference (RPD) is calculated as a means of quantifying precision. The following equation is used for this purpose:

$$RPD = \frac{R_1 - R_2}{(R_1 + R_2)/2} \times 100$$

Where:

RPD = Relative percent difference

R_1 = Result of the first duplicate or measured sample concentration

R_2 = Result of the second duplicate or known sample or duplicate concentration

When analytes are present at concentrations below or near the quantitation limit, precision is measured, using MS/MSD, and/or LCS/LCSD results.
Precision results are discussed in Section 4.0 of this report.

3.2.2 Accuracy

Accuracy indicates the closeness of the measurement to its true or accepted value. Accuracy measures agreement between a result and its true value. Accuracy is measured through lab control sample (LCS) analysis and surrogate recoveries. Method-specific QA objectives for precision and accuracy were based on the quality control limits developed by the laboratory for the analytical methods, specified in Table 2-1. Additionally, initial and continuing calibrations were used to verify that the analytical instrument accurately measured the compound concentrations. Calculations were independently verified for the response factors and percent differences (%Ds).

3.2.3 Completeness

Completeness is defined as the percentage of total measurements, which are judged to be valid. The completeness objective is to obtain a sufficient amount of valid data to enable the goals and objectives of the project to be achieved.

Completeness is quantified by computing the fraction of reports, which remained valid after the sampling procedures were reviewed and the results conformed to QA/QC protocols. The following equation was used to calculate completeness:

$$\text{Completeness} = \frac{\text{No. of valid field samples with valid analysis}}{\text{No. of valid field samples collected}} \times 100$$

Completeness is affected by anything that reduces the number of samples analyzed (such as a sample bottle breaking), as well as acceptance or non-acceptance of analytical results.

4.0 DATA VALIDATION

This data review covers nine (9) ground water samples listed on page 8 including dilutions if applicable. The analyses were according to the following EPA Methods:

EPA **Method 5030B/8260B** for volatile organic compounds

EPA **Method 5030B/8260B SIM** for fumigants (EDB, DBCP and 1, 2, 3-Trichloropropane)

EPA **Method 8151A** for Chlorinated Herbicides (Dinoseb)

Anions (Nitrite-N, Nitrate-N and Sulfate) by IC, EPA **Method 300.0**

Total Organic Carbon; **Method 415.1**

Ferrous Iron by Standard **Method 3500**

Total Sulfide by Standard Method **4500-S2D**

Methane and dissolved Hydrogen by EPA **Method RSK175**

This review follows USEPA Analytical Operations/Data Quality Center (*AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002); and EM 200-1-10 Guidance for Evaluating Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005. The following subsections correlate to the above guidelines.

A summary table summarizing all data and qualification, if any is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None indicates the finding did not significantly impact the data; therefore qualification was not required.

4.1. VOC (EPA Method 5030B/8260B)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of nine (9) ground water samples were collected on 04-21-15 and 04-22-15. All samples and sample dilutions were analyzed on 05-01-15. Samples, QC samples and sample dilutions were analyzed with reference to one analytical batch (preparation batch: VO67E01).

The chain-of-custody was reviewed for documentation of sample information and method of analysis.

Table 1 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration on 12-18-14. At the start of analytical batch on 05-01-15, the tune check standard was also injected. All the mass ratio requirements were within the assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using GC/MSD with instrument ID # TO-67. Initial calibration curve was generated on 12-18-14. A multilevel calibration curve ranging from 0.3µg/L to 100µg/L was used for this purpose (few compounds were calibrated from (0.3 µg/L-30 µg/L). All analytes were calibrated with a minimum of five calibration levels. Internal standard curve type was used for initial calibration. Minimum response factor for system performance check compounds (SPCCs) were within the method acceptable limits. Response factors at each level were randomly recalculated and all agreed with the response factors presented in the initial calibration summary table.

Minimum average response factors for the system performance check compounds (SPCCs) for each instrument were recognized according to the following tables:

Table 4.1.1: System Performance Check Compounds (Initial calibration)

System Performance check compounds (SPCCs)	Min. Ave. Response Factor (Method limits)	Ave. Res. Factor 12-18-14 (Calculated) Instrument ID#: T-O67
Chloromethane	≥ 0.10	0.498
1,1 -dichloroethane	≥ 0.10	0.560
Bromoform	≥ 0.10	0.359
Chlorobenzene	≥ 0.30	0.963
1,1,2,2-Tetrachloroethane	≥ 0.30	0.528

Average response factor curve fit was mainly used to show linearity within standard levels in initial calibration. Maximum 15% RSD limit was met for all the target compounds.

Least square linear regression curve fit was used for the following compound where %RSD exceeded the maximum15 percent limit.

Target Analytes	Linear Regression (CCF) 12-18-14 Instrument ID#: T-O67
Bromomethane	0.9978
Methyl Acetate	0.9993

Calibration check compound (CCCs) met the acceptance criteria for %RSD among the response factors calculated for each level. Table 4.1.2 lists the CCCs with the method requirement acceptance limits and the calculated %RSD among the response factors for initial calibration.

Table 4.1.2 Calibration Check Compounds (CCCs): Initial Calibration

Calibration Check Compounds (CCCs)	Response Factors %RSD (Limit)	Response Factors %RSD 12-18-14 Instrument ID#: T-O67
1,1-Dichloroethene	-≤ 30%	3.74%
Chloroform	-≤ 30%	4.26%
1,2-Dichloropropane	-≤ 30%	4.08%
Toluene	-≤ 30%	3.83%
Ethyl benzene	-≤ 30%	3.76%
Vinyl chloride	-≤ 30%	13.43%

Initial Calibration Verification and Continuing Calibration verification (Daily Calibration)

Initial calibration was verified by a second source standard at the end of calibration and before sample analysis on 12-19-14. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

One continuing calibration check standard was analyzed at the beginning of analytical shift on 05-01-15. Prior to continuing calibration standard analysis, **instrument performance check standard** analysis (BFB tune check) was carried out. It passed all the method tuning criteria.

The minimum average response factors for the system performance check compounds (SPCCs) for continuing calibration standard was all within the method limits. The following table list average response factors for system performance check compounds.

Table 4.1.3: System Performance Check Compounds: (Daily calibration)

System Performance Check compounds (SPCCs)	Minimum response factor (Method limits)	Second source St. Response factors CCRF 12-19-14	Continuing cal. Response factors CCRF 05-01-15
Chloromethane	≥ 0.10	0.457	0.438
1,1-Dichloroethane	≥ 0.10	0.615	0.506
Chlorobenzene	≥ 0.10	1.034	1.008
Bromoform	≥ 0.30	0.374	0.389
1,1,2,2-Tetrachloroethane	≥ 0.30	0.550	0.533

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all the Calibration Check Compounds (CCCs). The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration. The calculated % difference between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.1.4 for continuing calibration compounds as follows:

Table 4.1.4 Calibration Check Compounds (CCCs): ICV and Daily Calibration

Calibration Check Compounds (CCCs)	%Deviation From Initial calibration (Acceptance Limit)	Deviation from Initial calibration 2nd source (12-19-14)	Deviation from Initial calibration Daily calibration (05-01-15)
Vinyl chloride	-≤ 20%	5.5%	15.3%
1,1-Dichloroethene	-≤ 20%	5.7%	16.3%
Chloroform	-≤ 20%	8.5%	2.8%
1,2-Dichloropropane	-≤ 20%	8.8%	5.7%
Toluene	-≤ 20%	5.3%	6.2%
Ethyl benzene	-≤ 20%	2.8%	6.1%

Deviation from the initial calibration was less than 20 percent for the rest of target list (Non-CC compounds), except for 2-Chloroethyl Vinyl ether (D=86.0%).

Quality Control samples: The QC samples reported consisted of one method blank, one set of LCS/LCSD and MS/MSD. Client's designated sample (04-21-15-AMW-3R) was spiked for precision as MS/MSD. The full list of target compounds were spiked and reported for LCS/LCSD as well as MS/MSD. Percent recoveries and percent RPDs for all the QC samples reported were within the project acceptance limits for all of the reported compounds in LCS/LCSD and MS/MSD. Only Vinyl Acetate failed the lower acceptance limit in MSD as shown in the following table:

Analyte	04-21-15-AMW-3R-MS % Recovery	04-21-15-AMW-3R-MSD* % Recovery	**Limits**
Vinyl Acetate	67%	62*%	65-135%

* Failed the QC acceptance limit

This issue was acknowledged in the case narrative.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary table.

Method blank: One method blank was presented with the data package, analyzed on 05-01-15 (batch #VO67E01). Method blank was reported as non-detected for all the analytes in the target list.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was identified as field duplicate of sample 04-21-15-BBW-3. Results of positive hits for each sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-3 µg/L	04-21-15 BBW-3 µg/L	%RPD
Acetone	6.1J	ND	200%
Carbon Tetrachloride	4.7	4.8	2.1%
Chloroform	0.37J	0.39J	5.26%
Methylene chloride	1.8	0.94J	62.8%
Tetrachloroethene	0.41J	0.41J	<1

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Raw data for one sample, 04-22-15-PWB-1, was submitted as level IV data deliverable. Raw data for associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 1 appendix A.

4.2. EPA Method 5030B/8260B SIM (FUMIGANTS)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. All samples and QC samples were analyzed on 04-24-15. Samples and QC samples were analyzed with reference to one preparation batch (VO01D22).

The chain-of-custody was reviewed for documentation of sample information and method of analysis. Samples were analyzed for three fumigants: 1,2-Dibromomethane (EDB), 1,2,3-Trichloropropane (TCP), and 1,2-Dibromo-3-chloropropane (DBCP). A Mass detector at Selected Ion Monitoring mode (SIM) was used to achieve low detection limits required for the target compounds.

Table 2 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration and at the start of analytical batch. All mass ratios were within the method assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using purge and trap together with GC/MSD at selected ion monitoring mode. Instrument ID # T-O01 was used for the analysis. Initial calibration curve was generated on 01-13-15. A multilevel calibration curve ranging from 5-10ng/L (ppt) to 2000ng/L (ppt) was used for this purpose. (Lowest calibration level for 1,2-Dibromo-3-chloropropane was 10ng/L). Instrument performance check standard (BFB) was analyzed prior to initial calibration. It passed all the tuning criteria. Modified version of SW-846 8260B (SIM) was used for generation of calibration curve and data. Internal standard curve type was used for initial calibration. Minimum response factor for all the target compounds were within the method acceptable limits. Average response factor curve fit was used to show linearity. Percent relative standard deviation (%RSD) among response factors was less than 15% for all target analytes. Using results from raw data, response factors at each level were randomly recalculated and all agreed with the response factors submitted in the initial calibration summary table.

Initial Calibration Verification and Continuing Calibration (Daily calibration)

The initial calibration curve was verified by a second source standard (ICV) at the end of calibration and before sample analysis on 01-13-15. Quality control criteria regarding minimum

response factors were within methods, acceptance limits. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

One continuing calibration check standard was analyzed at the beginning of analytical shift on 04-24-15. Prior to analysis of continuing calibration, instrument performance check was carried out by injection of BFB tune check standard. Instrument mass ratios were all within specifications of the method.

The calculated % difference (%D) between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.2.1 for the targets of interest in this method as follows:

Table 4.2.1: Percent difference from initial calibration: (Daily calibration)

Target Compounds	% Deviation From Initial Calibration Method Criteria	% Deviation From Initial Calibration 2nd Source St. (Calculated) (**01-13-15**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-24-15)**
1,2-Dibromomethane (EDB)	≤ 20%	8.6	6.2
1,2,3-Trichloropropane(TCP)	≤ 20%	8.8	2.9
1,2-Dibromo-3-chloroporopane (DBCP)	≤ 20%	4.2	16.0

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration.

Quality Control: The QC samples reported consisted of one method blank, one set of LCS/LCSD and MS/MSD. Client's designated sample, 04-21-15-AMW-3R was spiked for precision as MS/MSD. All three target compounds were spiked and reported for LCS/LCSD and MS/MSD. Percent recoveries and percent RPDs for LCS/LCSD were within the project

acceptance limits for all reported compounds. However, %recovery exceeded the acceptance limits in MSD for one compound:

Analyte	04-21-15 AMW-3R MS % Recovery	04-21-15 AMW-3R MSD % Recovery	Limits
1, 2,3-Trichloropropane	100%	128%*	75-125%

* Failed the QC acceptance limits

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary tables.

Method blank: One method blank was presented with the data package, analyzed on 04-24-15 (batch # VO01D22). Method blank was reported as non-detected for analytes in the target list.

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was identified as field duplicate of sample 04-21-15- BBW-3. Results of positive hits for each sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-3 µg/L	04-21-15 BBW-3 µg/L	%RPD
1,2-Dibromoethane (EDB)	ND	ND	NA
1,2-Dibromo-3-chloropropane	ND	ND	NA
1, 2,3-Trichloropropane	0.0075	0.0060	22.2%

Raw data for one sample, 04-22-15-PWB-1, together with all further dilutions was submitted as level IV data deliverable. Raw data for all associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 2 Appendix A.

4.3 DINOSEB BY GC/ECD (EPA Method 8151A)

Technical Holding Times

A 7-day technical holding time from sample collection to extraction and 40-day from extraction to analysis was met for all samples. A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. Samples were extracted with one preparation batch on 04-24-15 (preparation batch # HED009W). Sample extracts were all analyzed within 40-day holding time on 04-24-15 and 04-25-15.

EPA Method 8151A uses GC equipped with two Electron Capture Detectors (ECDs) and two columns connected to the same injection port for analysis. Results and raw data generated from both columns were submitted. Chlorinated Herbicides (Dinoseb) was determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration generated on 04-08-15. Seven calibration levels (18.9-189 µg/L) were used in initial calibration. Channel A and B were both calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel. Percent relative standard deviation (%RSD) among calibration factors (CFs) for both channel A and B were less than 20% for all target compounds. Retention time window width (0.014-0.030min) was established by using initial calibration standards at each level. All further sample and QC analysis identification were based on the assigned retention time windows set by initial calibration for each peak. The instrument was calibrated for full list of Herbicides, both for initial calibration and continuing (daily calibration), but the result of analysis was reported only for Dinoseb.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Initial calibration curve was verified by a second source standard at the end of calibration and prior to sample analysis on 04-08-15. Percent difference between mean calibration factors from initial calibration and calibration factors calculated from the second source were less than 15% for both Dinoseb and DCPA (used as surrogate).

Three continuing calibration standards with intervals of 10 sample injections were analyzed with samples, and QC samples. Samples were analyzed on 04-24-15 and 04-25-15. Percent difference between initial calibration average response factors and the response factors calculated for Dinoseb from continuing calibrations were less than 20% for all standards. Results for surrogate recoveries and QC samples were reported from both channel A and B.

Quality Control samples consisted of one method blank, one set of LCS/LCSD and MS/MSD for preparation batch #HED009W. Client's designated sample (04-21-15-AMW-3R) was spiked for precision as MS/MSD. Full Herbicide list was spiked for LCS/LCSD and MS/MSD, but only the result of Dinoseb and DCPA (as surrogate) were reported for precision and accuracy. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD and MS/MSD. Calculated %RPD was less than 30% acceptance limit

Method blank was reviewed for each component and no herbicide was found in the method blank for the extraction batch # HED009W.

Surrogate recoveries were all within the method's acceptable limits for all initial analyses. The calculated result for each sample is incorporated in table 3 in Appendix A.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was recognized as field duplicate of sample 04-21-15-BBW-3. Results of analysis for sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-3 µg/L	04-21-15 BBW-3 µg/L	**%RPD**
Dinoseb	ND	ND	NA

Raw data for one sample, 04-22-15-PWB-1, with related QC samples were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results together with the surrogate recoveries are tabulated in table 3 Appendix A.

4.4 Method 300.0: Anions

A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. Samples were analyzed for Nitrate-N, Nitrite and Sulfate using Ion Chromatography (IC) on 04-22-15 and 04-23-15 (batch #ICD022W and ICD024W). All the field samples and dilutions were analyzed within 48-hour holding time requirement.

Anions such as Nitrate-N, Nitrite-N and Sulfate were separated from water samples by Ion chromatography. The separated anions in their acid form (very conductive) were measured by conductivity. They were identified on the basis of retention time as compared to previously established retention time window set by reference standards.

One set of initial calibration curve (ranging from 0.05 to 20 mg/L) was generated on 02-26-15. Instrument was initially calibrated with nine calibration levels. Linear curve type with correlation coefficients of at least 0.999 was used for each anion throughout analysis. Percent RSD among calibration factors was less than 15%. Calibration curve (concentration of each anion versus area count of each anion) was presented for each target compound. Area for each level was randomly checked with the values and equations presented with each calibration curve. All agreed with the raw data. Retention time window was established for each anion. A second source standard mixture at mid-point (1.0mg/L for Nitrate and 5.0mg/L for Sulfate) was used to verify the linearity of initial calibration for each anion on 02-26-15. Recoveries were all within 90-110% of initial value.

Daily (Continuing) Calibrations:

A total of five continuing calibration standards were analyzed on 04-22-15 and 04-23-15. Continuing calibration standards were analyzed with samples, sample dilutions and QC samples. The recoveries of target anions were within 90-110% of the expected values in all submitted continuing calibration standards. After each continuing calibration standard, one calibration blank was injected. All the blanks were reported as non-detected regarding all the target anions.

Quality Control Samples consisted of two method blanks and two sets of LCS/LCSD and MS/MSD for each requested anion. Client's designated sample (04-21-15-AMW-3R) was spiked for precision as MS/MSD. It was also analyzed as sample duplicate. Recoveries of

LCS/LCSD and MS/MSD were within 90-110 % of spiked values, covering the QC limits requirements. Percent RPDs were less than 20% for LCS/LCSD. Each QC set was analyzed with the same dilution factor as the one used for reporting the corresponding anion.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was identified as field duplicate of sample 04-21-15-BBW-3. Results of analysis for sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-3 mg/L	04-21-15 BBW-3 mg/L	%RPD
Nitrate-N	38.3	38.8	1.3%
Sulfate	201	204	1.48%

Raw data for one sample, 04-22-15-PWB-1, with related QC samples and dilutions were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 4 Appendix A.

4.5 Total Organic Carbon (TOC) by EPA Method 415.1

A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. Samples were analyzed for Total Organic Carbon (TOC) on 04-25-15, within 28-days holding time requirement. Organically bound carbons in water are measured by oxidation or combustion of organic molecules to single smaller molecules. TOC analyzers utilize high temperature combustion to convert Organic Carbon to carbon dioxide, which is measured by the analyzer. Non-Purgable Organic Carbon (NPOC) is the target of interest.

One set of initial calibration curve with at least 5 calibration levels (ranging from 1.0mg/L to 80 mg/L) was generated on 04-24-15. Linear curve type with correlation coefficients of at least 0.999641 was used throughout analysis. Calibration curve (area versus concentration) was presented for Non-purgable Organic Carbon. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard mixture at mid-point of the calibration curve (25mg/L) was used to verify the linearity of each initial calibration on 04-24-15. Recoveries were all within 90-110% of initial value. Continuing calibration standards, together with continuing calibration blanks were analyzed at 10-injection intervals on 04-25-15. They all passed the assigned calibration criteria.

Quality Control Samples consisted of one method blank, one sets of LCS/LCSD and MS/MSD. Client designated sample (04-21-15-AMW-3R) was spiked as MS/MSD. Recoveries of LCS/LCSD and MS/MSD were within 80-120 % of spiked values, covering the QC limits requirements. Percent RPDs were less than 20% for the presented QC.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was identified as field duplicate of sample 04-21-15-BBW-3. Results of TOC analysis for each sample and corresponding sample duplicates are shown in the following table:

Analyte	04-21-15 FDUP-3 mg/L	04-21-15 BBW-3 mg/L	**%RPD**
TOC	0.860	0.796	7.72%

Raw data and corresponding chromatogram for all six samples with QC samples were presented with the data package. Four readings were recorded for each sample.
Final reported results were average of the four readings for each sample. The sample results are tabulated in table 5 Appendix A.

4.6 Ferrous Iron by Standard Method 3500

A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. Samples were analyzed for Ferrous Iron on 04-22-15, within 24-hour holding time. However, three samples collected on 04-21-15 (04-21-15-BBW-1, 04-21-15-FDUP-3 and 04-21-15-AMW-3R) were analyzed four hours past 24-hour holding time. Ferrous Iron (in reduced form) reacts

with an oxidation-reduction indicator (o-Phenanthroline), resulting in a colored complex. The intensity of color formed due to reaction, is proportional to the amount of ferrous iron in the solution and can be detected and measured by a spectrophotometer.

One set of initial calibration curve with at least 5 calibration levels (ranging from 2.0mg/L to 25 mg/L) was generated on 04-22-15. Linear curve type with correlation coefficients of at least 0.999864 was used throughout analysis. Calibration curve (Absorbance versus concentration) was presented for initial calibration standards. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard (ICV) mixture at mid-point (15mg/L) was used to verify the linearity of initial calibration on 04-22-15. Recoveries were all within 90-110% of initial value. Two continuing calibration standards (CCV), together with continuing calibration blanks were analyzed with samples and QC samples on 04-22-15. They passed the calibration criteria.

Quality Control Samples consisted of method blank, one set of LCS/LCSD, MS/MSD and sample duplicate. Client designated sample (04-21-15-AMW-3R) was spiked as MS/MSD and also analyzed as sample duplicate for evaluation of accuracy and precision. Recoveries of LCS/LCSD and MS/MSD were within the acceptance limit of 80-120 % of spiked value. Percent RPDs were less than 20% for LCS/LCSD.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was recognized as field duplicate of sample 04-21-15-BBW-3. Both sample and the corresponding associated sample duplicate were reported as non-detected for Ferrous Iron.

Raw data that included results of analysis and calibration curve was presented for all six samples together with QC samples. The sample results are tabulated in table 6 Appendix A.

4.7 Sulfide by Standard Method SM4500-S2D

A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. Samples were analyzed for Total Sulfide on 04-27-15, within seven-day holding time (batch #SFD004W).

The method is based on reaction of Sulfide, Ferric chloride and Amine-sulfuric acid to produce Methylene blue. The intensity of color is proportional to the sulfide concentration in water. The intensity of color resulting from reaction can be detected and measured by a spectrophotometer.

One set of initial calibration curve with at least 5 calibration levels (ranging from 0.02mg/L to 0.80 mg/L) was generated on 04-27-15. Linear curve type with correlation coefficient of at least 0.999984 was used throughout analysis. Calibration curve (Absorbance versus concentration of standard solutions), together with related equations was presented. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard mixture at mid-point (0.40mg/L) was used to verify the linearity of initial calibration on 04-27-15. Recoveries were all within 90-110% of initial value. Two continuing calibration standards, together with continuing calibration blanks were analyzed with samples and QC samples on 04-27-15. They passed the calibration criteria.

Quality Control Samples consisted of one method blank, one set of LCS/LCSD, MS and sample duplicate. Client designated sample (04-21-15-AMW-3R) was spiked as MS and also analyzed as sample duplicate for evaluation of accuracy and precision. Recoveries of LCS/LCSD and MS were within 80-120 %, covering the QC limits requirements of spiked values. Percent RPDs were less than 20% for LCS/LCSD.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was recognized as field duplicate of sample 04-21-15-BBW-3. Both field sample and associated field duplicate sample were reported as non-detected for total Sulfide.

Raw data for all six samples, with related QC samples and were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 7 Appendix A.

4.8. METHANE and DISSOVED HYDROGEN by EPA Method RSK175

Technical Holding Times

A 14-day technical holding time from sample collection to analysis was met for all samples. A total of six (6) ground water samples were collected on 04-21-15 and 04-22-15. Samples were all analyzed within the 14-day holding time on 04-28-15, 04-29-15 and 04-30-15.

EPA Method RSK175 uses GC equipped with a thermal conductivity detector (TCD) and a flame ionization detector (FID). Sample from headspace is injected into a GC with a single column connected to two detectors in series. GC/FID response was used for Methane and GC/TCD response was used for Hydrogen.

Results of analysis from both detectors were submitted. Methane and dissolved hydrogen were determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration for each analyte (gas). GC/TCD was calibrated with five calibration levels (1000-50000 ppmv for Hydrogen) on 06-30-14 and GC/FID was calibrated with five calibration levels (3-10000ppmv for Methane) on 04-28-15. The same instrument was used (instrument ID#GC8A) for both detectors but samples were injected separately for each calibration/detector. Both detectors were calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel.

Linear curve type was used for both detectors (TCD) and (FID) with correlation coefficient of 0.999293 for Hydrogen (TCD) and $r^{2=}$0.999846 for Methane (FID). Retention time window width was established by using initial calibration standards at each level. All further

sample and QC analysis identification were based on the assigned time windows set by initial calibration for each peak.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Continuing calibration verification standard (CCV) was submitted for both Hydrogen (TCD detector) and Methane (FID detector). Percent difference was less than 20% for both detectors. Two continuing calibration standards with intervals of 10 sample injections were analyzed with samples and all the QC samples. All samples and QC samples were analyzed on 04-28-15, 04-29-15 and 04-30-15. Percent difference between initial calibration average response factors and the response factors calculated for each analyte from continuing calibrations were less than 20% for all standards.

Quality Control samples consisted of one method blank, one set of LCS/LCSD and MS/MSD. Client designated sample 04-21-15-AMW-3R was spiked for accuracy and precision. Both Hydrogen and Methane were spiked and reported for LCS/LCSD and MS/MSD. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD and MS/MSD. Calculated %RPD was less than 30% acceptance limit.

Method blank was reviewed for each component and no target analyte was found in the method blank for each detector.

Surrogate: No surrogate is used in this method.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-3 was recognized as field duplicate of sample 04-21-15-BBW-3. Results of analysis for each sample and corresponding sample duplicates are shown in the following table:

Analyte	04-21-15 FDUP-3 µg/L	04-21-15 BBW-3 µg/L	**%RPD**
Hydrogen	ND	ND	---
Methane	ND	ND	---

Raw data for all six samples, with related QC samples were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 8 Appendix A.

5.0 Conclusion

Overall, the data presented is generally regarded as acceptable for all the EPA methods listed in the chain of custody. The data can reliably be used for the purpose of this project.

6.0 References

1. *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002).

2. *Quality Assurance Project Plan, final Draft, Brown & Bryant, CA,* (Project No. Eco-13-601, Eco & Associates Inc.)

3. U.S. Environmental Protection Agency, Dec. 1996, *SW846 Laboratory Manual Physical/Chemical Methods.* Revision 3, Washington, D.C. 20460.

4. EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005.

5. Department of Defense Quality System Manual (DOD QSM), Version 4.2, 2010

6. EPA Methods for Chemical Analysis of Water and Wastes. EPA -600-4-79-020. Revised; March 1983.

7. Standard Methods for Examination of Water and Wastewater. 21st Edition, 2005.

7.0 APPENDIX A

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-21-15-BBW-3 µg/L	04-21-15-FDUP-3 µg/L	04-21-15-AMW-3R µg/L	04-21-15-TB-7 µg/L	04-22-15-AR-1 µg/L	04-21-15-TB-6 µg/L
Acetone	10	U	**6.1J**	U	U	U	U
Benzene	1.0	U	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	**4.8**	**4.7**	**1.4**	U	**1.1**	U
Chlorobenzene	1.0	U	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	**0.39J**	**0.37J**	U	U	U	U
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	U	U	U	U	U	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	U	U	U	U
1,2-Dichloroethane	1.0	U	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	U	U	**0.51J**	U	U	U
1,3-Dichloropropane	0.5	U	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	U	U	U	U	U	U

ANALYTE	RLs µg/L	04-21-15-BBW-3 µg/L	04-21-15-FDUP-3 µg/L	04-21-15-AMW-3R µg/L	04-21-15-TB-7 µg/L	04-22-15-AR-1 µg/L	04-21-15-TB-6 µg/L
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	**0.94J**	**1.8**	**2.4**	U	U	U
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	**0.41J**	**0.41J**	U	U	U	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	U	U	U	U	U	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)	**(Limits)**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**
1,2Dichloroeth-d4	70-120	94.7	95.5	97.0	99.2	96.2	94.4
4-Bromofluorbenze	75-120	96.3	96.1	95.0	91.4	95.4	95.3
Toluene-d8	85-120	102	102	103	101	101	101
Dibromofluoromethane	85-115	110	110	109	112	109	108

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-22-15-PWB-1 µg/L	04-22-15-TB-8 µg/L	04-22-15-PWB-13A µg/L			
Acetone	10	U	U	U			
Benzene	1.0	U	U	U			
Bromobenzene	1.0	U	U	U			
Bromochloromethane	1.0	U	U	U			
Bromodichloromethane	1.0	U	U	U			
Bromoform	1.0	U	U	U			
Bromomethane	1.0	U	U	U			
2-Butanone	10	U	U	U			
n-Butylbenzene	1.0	U	U	U			
sec-Butylbenzene	1.0	U	U	U			
tert-Butylbenzene	1.0	U	U	U			
Carbon Disulfide	1.0	U	U	U			
Carbon Tetrachloride	1.0	U	U	U			
Chlorobenzene	1.0	U	U	U			
Chloroethane	1.0	U	U	U			
2-ChloroethylVinylether	1.0	U	U	U			
Chloroform	1.0	U	U	**16**			
Chloromethane	1.0	U	U	U			
2-Chlorotoluene	1.0	U	U	U			
4-Chlorotoluene	1.0	U	U	U			
1,2Dibromo3Chloropropane	1.0	U	U	**0.76J**			
Dibromochloromethane	1.0	U	U	U			
1,2-Dibromoethane(EDB)	1.0	U	U	U			
Dibromomethane	1.0	U	U	U			
1,2-Dichlorobenzene	1.0	U	U	U			
1,3-Dichlorobenzene	1.0	U	U	U			
1,4-Dichlorobenzene	1.0	U	U	U			
Dichlorodifluoromethan	1.0	U	U	U			
1,1-Dichloroethane	1.0	U	U	U			
1,2-Dichloroethane	1.0	U	U	U			
1,1-Dichloroethene	1.0	U	U	U			
Cis-1,2-Dichloroethene	1.0	U	U	U			
trans-1,2-Dichloroethene	1.0	U	U	U			
1,2-Dichloropropane	1.0	U	U	**9.9**			
1,3-Dichloropropane	0.5	U	U	U			
2,2-Dichloropropane	1.0	U	U	U			
1,1-Dichloropropene	1.0	U	U	U			
cis-1,3-Dichloropropene	1.0	U	U	U			
trans-1,3-Dichloropropene	1.0	U	U	U			
Ethylbenzene	1.0	U	U	U			

ANALYTE	RLs µg/L	04-22-15-PWB-1 µg/L	04-22-15-TB-8 µg/L	04-22-15-PWB-13A µg/L			
Hexachlorobutadiene	1.0	U	U	U			
2-Hexanone	10	U	U	U			
Isopropylbenzene	1.0	U	U	U			
p-Isopropyltoluene	1.0	U	U	U			
MTBE	1.0	U	U	U			
4-Methyl-2-Pentanone	10.0	U	U	U			
Methylene chloride	1.0	U	U	**2.1**			
Naphthalene	1.0	U	U	U			
n- Propylbenzene	1.0	U	U	U			
Styrene	1.0	U	U	U			
1,1,1,2-Tetrachloroethane	1.0	U	U	U			
1,1,2,2-Tetrachloroethane	1.0	U	U	U			
Tetrachloroethene	1.0	U	U	U			
Toluene	1.0	U	U	U			
1,2,3-Trichlorobenzene	1.0	U	U	U			
1,2,4-Trichlorobenzene	1.0	U	U	U			
1,1,1-Trichloroethane	1.0	U	U	U			
1,1,2-Trichloroethane	1.0	U	U	U			
Trichloroethene	1.0	U	U	U			
Trichlorofluoromethane	1.0	U	U	U			
1,2,3-Trichloropropane	1.0	U	U	**10**			
1,2,4-Trimethylbenzene	1.0	U	U	U			
1,3,5-Trimethylbenzene	1.0	U	U	U			
Vinyl Chloride	1.0	U	U	U			
o-Xylene	1.0	U	U	U			
m-& p-Xylenes	1.0	U	U	U			
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	95.1	95.4	98.0			
4-Bromofluorbenze	75-120	94.4	95.7	93.3			
Toluene-d8	85-120	101	101	101			
Dibromofluoromethane	85-115	109	110	112			

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-21-15-BBW-3 µg/L	04-21-15-FDUP-3 µg/L	04-21-15-AMW-3R µg/L	04-22-15-AR-1 µg/L	04-22-15-PWB-1 µg/L	04-22-15-PWB-13A µg/L
EDB	0.05	ND	ND	ND	ND	ND	ND
DBCP	0.05	ND	ND	ND	ND	ND	**0.81**
1,2,3-Trichloropropane	0.005	**0.0075**	**0.0060**	**0.24**	**0.068**	**0.11**	**9.4**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	105	107	97.3	104	105	92.9

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-21-15-BBW-3 µg/L	04-21-15-FDUP-3 µg/L	04-21-15-AMW-3R µg/L	04-22-15-AR-1 µg/L	04-22-15-PWB-1 µg/L	04-22-15-PWB-13A µg/L
Dinoseb	0.4	ND	ND	ND	ND	ND	**0.69**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	89.9	94.5	97.6	99.7	99.4	101

Table 4-Anions (Nitrate-N, Nitrite-N and Sulfate): EPA Method 300.0

ANALYTE	RLs mg/L	04-21-15-BBW-3 mg/L	04-21-15-FDUP-3 mg/L	04-21-15-AMW-3R mg/L	04-22-15-AR-1 mg/L	04-22-15-PWB-1 mg/L	04-22-15-PWB-13A mg/L
Anions							
Nitrate-N	0.1	**38.8**	**38.3**	**35.0**	**36.9**	**28.2**	**33.7**
Nitrite-N	0.1	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Sulfate	0.5	**204**	**201**	**116**	**115**	**117**	**151**

Table 5-Total Organic Carbon: EPA Method 415.1

ANALYTE	RLs mg/L	04-21-15-BBW-3 mg/L	04-21-15-FDUP-3 mg/L	04-21-15-AMW-3R mg/L	04-22-15-AR-1 mg/L	04-22-15-PWB-1 mg/L	04-22-15-PWB-13A mg/L
TOC	1.0	**0.796J**	**0.860J**	**1.12**	**0.828J**	**0.979J**	**0.936J**

Table 6-Ferrous Iron: Standard Method 3500

ANALYTE	RLs mg/L	04-21-15-BBW-3 mg/L	04-21-15-FDUP-3 mg/L	04-21-15-AMW-3R mg/L	04-22-15-AR-1 mg/L	04-22-15-PWB-1 mg/L	04-22-15-PWB-13A mg/L
Ferrous Iron	2.0	ND	ND	ND	ND	ND	ND

Table 7-Sulfide: Standard Method 4500S2D

ANALYTE	RLs mg/L	04-21-15-BBW-3 mg/L	04-21-15-FDUP-3 mg/L	04-21-15-AMW-3R mg/L	04-22-15-AR-1 mg/L	04-22-15-PWB-1 mg/L	04-22-15-PWB-13A mg/L
Sulfide	0.1	ND	ND	ND	ND	ND	ND

Table 8- Methane and Dissolved Hydrogen: RSK175

ANALYTE	RLs µg/L	04-21-15-BBW-3 µg/L	04-21-15-FDUP-3 µg/L	04-21-15-AMW-3R µg/L	04-22-15-AR-1 µg/L	04-22-15-PWB-1 µg/L	04-22-15-PWB-13A µg/L
Hydrogen	1.0	ND	ND	ND	ND	ND	ND
Methane	10	ND	ND	ND	ND	ND	ND

Automatic Data Validation Report

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April, 2015

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Ground water Monitoring

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Brown & Bryant, Arvin, California

EPA Methods: 8260B, 8260B (SIM), 8151A
300.0, 415.1, SM3500, SM4500S2D
and
RSK175

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			48	Hours	2	GT
415.1			28	Days	2	GT
8151	7	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT
FE3500			48	Hours	2	GT
RSK175				Days	2	GT
SM4500S2D			7	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			28	Days	2	GT
415.1			28	Days	2	GT
8151	14	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
FE3500	15438-31-0	Ferrous Iron	5
RSK175	1333-74-0	HYDROGEN	5
	74-82-8	METHANE	5
SM4500S2D	18496-25-8	SULFIDE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
FE3500	15438-31-0	Ferrous Iron	20	
RSK175	1333-74-0	HYDROGEN		
	74-82-8	METHANE		
SM4500S2D	18496-25-8	SULFIDE	20	

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery	
					Lower Limit	Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	40	140
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	70	120
	460-00-4	4-Bromofluorobenzene	10	LT	75	120
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	85	115
	2037-26-5	TOLUENE-D8	10	LT	85	120
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	80	120

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	10	150
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	60	160
	460-00-4	4-Bromofluorobenzene	10	LT	70	150
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	70	130
	2037-26-5	TOLUENE-D8	10	LT	70	140
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	50	150

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	70	135	30
	78-93-3	2-BUTANONE	10	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	10	LT	75	125	30
	591-78-6	2-HEXANONE	10	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	130	30
	67-64-1	ACETONE	10	LT	40	140	30
	71-43-2	BENZENE	10	LT	80	120	30
	108-86-1	BROMOBENZENE	10	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	75	120	30
	75-25-2	BROMOFORM	10	LT	70	130	30
	74-83-9	BROMOMETHANE	10	LT	30	145	30
	75-15-0	CARBON DISULFIDE	10	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	140	30
	108-90-7	CHLOROBENZENE	10	LT	80	120	30
	75-00-3	CHLOROETHANE	10	LT	60	135	30
	67-66-3	CHLOROFORM	10	LT	65	135	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	74-87-3	CHLOROMETHANE	10	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	60	135	30
	74-95-3	DIBROMOMETHANE	10	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	30	155	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	10	LT	50	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	125	30
	136777-61-2	M,P-XYLENES	10	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	60	135	30
	1634-04-4	MTBE	10	LT	65	125	30
	91-20-3	NAPHTHALENE	10	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	10	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	10	LT	70	130	30
	95-47-6	O-XYLENE	10	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	70	125	30
	100-42-5	STYRENE	10	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	45	150	30
	108-88-3	TOLUENE	10	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	55	140	30
	79-01-6	TRICHLOROETHENE	10	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	60	145	30
	108-05-4	VINYL ACETATE	10	LT	65	135	30
	75-01-4	VINYL CHLORIDE	10	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	50	LT	80	120	20
RSK175	1333-74-0	HYDROGEN	10	LT	80	120	20
	74-82-8	METHANE	10	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	50	LT	80	120	20

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	65	135	30
	78-93-3	2-BUTANONE	10	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	10	LT	70	130	30
	591-78-6	2-HEXANONE	10	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	125	30
	67-64-1	ACETONE	10	LT	20	160	30
	71-43-2	BENZENE	10	LT	75	125	30
	108-86-1	BROMOBENZENE	10	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	70	130	30
	75-25-2	BROMOFORM	10	LT	55	135	30
	74-83-9	BROMOMETHANE	10	LT	30	160	30
	75-15-0	CARBON DISULFIDE	10	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	135	30
	108-90-7	CHLOROBENZENE	10	LT	75	125	30
	75-00-3	CHLOROETHANE	10	LT	40	155	30
	67-66-3	CHLOROFORM	10	LT	70	125	50

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery		RPD
					Lower Limit	Upper Limit	
8260B	74-87-3	CHLOROMETHANE	10	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	65	130	30
	74-95-3	DIBROMOMETHANE	10	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	35	135	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	10	LT	55	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	130	30
	136777-61-2	M,P-XYLENES	10	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	45	145	30
	1634-04-4	MTBE	10	LT	60	150	50
	91-20-3	NAPHTHALENE	10	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	10	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	10	LT	65	135	30
	95-47-6	O-XYLENE	10	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	65	130	30
	100-42-5	STYRENE	10	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	65	140	30
	108-88-3	TOLUENE	10	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	65	125	30
	79-01-6	TRICHLOROETHENE	10	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	25	185	30
	108-05-4	VINYL ACETATE	10	LT	20	160	50
	75-01-4	VINYL CHLORIDE	10	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	50	150	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	70	135	30
	78-93-3	2-BUTANONE	0	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	0	LT	75	125	30
	591-78-6	2-HEXANONE	0	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	130	30
	67-64-1	ACETONE	0	LT	40	140	30
	71-43-2	BENZENE	0	LT	80	120	30
	108-86-1	BROMOBENZENE	0	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	75	120	30
	75-25-2	BROMOFORM	0	LT	70	130	30
	74-83-9	BROMOMETHANE	0	LT	30	145	30
	75-15-0	CARBON DISULFIDE	0	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	140	30
	108-90-7	CHLOROBENZENE	0	LT	80	120	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	60	135	30
	67-66-3	CHLOROFORM	0	LT	65	135	30
	74-87-3	CHLOROMETHANE	0	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	60	135	30
	74-95-3	DIBROMOMETHANE	0	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	30	155	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	0	LT	50	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	125	30
	136777-61-2	M,P-XYLENES	0	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	60	135	30
	1634-04-4	MTBE	0	LT	65	125	30
	91-20-3	NAPHTHALENE	0	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	0	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	0	LT	70	130	30
	95-47-6	O-XYLENE	0	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	70	125	30
	100-42-5	STYRENE	0	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	45	150	30
	108-88-3	TOLUENE	0	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	55	140	30
	79-01-6	TRICHLOROETHENE	0	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	60	145	30
	108-05-4	VINYL ACETATE	0	LT	65	135	30
	75-01-4	VINYL CHLORIDE	0	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	30	LT	75	125	20
RSK175	1333-74-0	HYDROGEN	0	LT	80	120	20
	74-82-8	METHANE	0	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	30	LT	75	125	20

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	65	135	30
	78-93-3	2-BUTANONE	0	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	0	LT	70	130	30
	591-78-6	2-HEXANONE	0	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	125	30
	67-64-1	ACETONE	0	LT	20	160	30
	71-43-2	BENZENE	0	LT	75	125	30
	108-86-1	BROMOBENZENE	0	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	70	130	30
	75-25-2	BROMOFORM	0	LT	55	135	30
	74-83-9	BROMOMETHANE	0	LT	30	160	30
	75-15-0	CARBON DISULFIDE	0	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	135	30
	108-90-7	CHLOROBENZENE	0	LT	75	125	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	40	155	30
	67-66-3	CHLOROFORM	0	LT	70	125	50
	74-87-3	CHLOROMETHANE	0	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	65	130	30
	74-95-3	DIBROMOMETHANE	0	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	35	135	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	0	LT	55	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	130	30
	136777-61-2	M,P-XYLENES	0	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	45	145	30
	1634-04-4	MTBE	0	LT	60	150	50
	91-20-3	NAPHTHALENE	0	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	0	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	0	LT	65	135	30
	95-47-6	O-XYLENE	0	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	65	130	30
	100-42-5	STYRENE	0	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	65	140	30
	108-88-3	TOLUENE	0	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	65	125	30
	79-01-6	TRICHLOROETHENE	0	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	25	185	30
	108-05-4	VINYL ACETATE	0	LT	10	160	50
	75-01-4	VINYL CHLORIDE	0	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	50	150	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	0.1	PQL	mg/L
	14797-65-0	Nitrite-N	0.1	PQL	mg/L
	14808-79-8	SULFATE	0.5	PQL	mg/L
415.1	E-10195	TOC	1	PQL	mg/L
8151	88-85-7	DINOSEB	0.4	PQL	ug/L
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	71-55-6	1,1,1-TRICHLOROETHANE	1.0	PQL	ug/L
	79-34-5	1,1,2,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	79-00-5	1,1,2-TRICHLOROETHANE	1.0	PQL	ug/L
	75-34-3	1,1-DICHLOROETHANE	1.0	PQL	ug/L
	75-35-4	1,1-DICHLOROETHENE	1.0	PQL	ug/L
	563-58-6	1,1-DICHLOROPROPENE	1.0	PQL	ug/L
	87-61-6	1,2,3-TRICHLOROBENZENE	1.0	PQL	ug/L
	96-18-4	1,2,3-TRICHLOROPROPANE	1.0	PQL	ug/L
	120-82-1	1,2,4-TRICHLOROBENZENE	1.0	PQL	ug/L
	95-63-6	1,2,4-TRIMETHYLBENZENE	1.0	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1.0	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	1.0	PQL	ug/L
	95-50-1	1,2-DICHLOROBENZENE	1.0	PQL	ug/L
	107-06-2	1,2-DICHLOROETHANE	1.0	PQL	ug/L
	78-87-5	1,2-DICHLOROPROPANE	1.0	PQL	ug/L
	108-67-8	1,3,5-TRIMETHYLBENZENE	1.0	PQL	ug/L
	541-73-1	1,3-DICHLOROBENZENE	1.0	PQL	ug/L
	142-28-9	1,3-DICHLOROPROPANE	0.5	PQL	ug/L
	106-46-7	1,4-DICHLOROBENZENE	1.0	PQL	ug/L
	594-20-7	2,2-DICHLOROPROPANE	1.0	PQL	ug/L
	78-93-3	2-BUTANONE	10	PQL	ug/L
	95-49-8	2-CHLOROTOLUENE	1.0	PQL	ug/L
	591-78-6	2-HEXANONE	10	PQL	ug/L
	106-43-4	4-CHLOROTOLUENE	1.0	PQL	ug/L
	67-64-1	ACETONE	10	PQL	ug/L
	71-43-2	BENZENE	1.0	PQL	ug/L
	108-86-1	BROMOBENZENE	1.0	PQL	ug/L
	74-97-5	BROMOCHLOROMETHANE	1.0	PQL	ug/L
	75-27-4	BROMODICHLOROMETHANE	1.0	PQL	ug/L
	75-25-2	BROMOFORM	1.0	PQL	ug/L
	74-83-9	BROMOMETHANE	1.0	PQL	ug/L
	75-15-0	CARBON DISULFIDE	1.0	PQL	ug/L
	56-23-5	CARBON TETRACHLORIDE	1.0	PQL	ug/L
	108-90-7	CHLOROBENZENE	1.0	PQL	ug/L
	75-00-3	CHLOROETHANE	1.0	PQL	ug/L
	67-66-3	CHLOROFORM	1.0	PQL	ug/L
	74-87-3	CHLOROMETHANE	1.0	PQL	ug/L
	156-59-2	CIS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-01-5	CIS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	124-48-1	DIBROMOCHLOROMETHANE	1.0	PQL	ug/L
	74-95-3	DIBROMOMETHANE	1.0	PQL	ug/L
	75-71-8	DICHLORODIFLUOROMETHANE	1.0	PQL	ug/L
	100-41-4	ETHYLBENZENE	1.0	PQL	ug/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	1.0	PQL	ug/L
	87-68-3	HEXACHLOROBUTADIENE	1.0	PQL	ug/L
	98-82-8	Isopropyl Benzene	1.0	PQL	ug/L
	136777-61-2	M,P-XYLENES	1.0	PQL	ug/L
	75-09-2	METHYLENE CHLORIDE	1.0	PQL	ug/L
	108-10-1	MIBK	10	PQL	ug/L
	1634-04-4	MTBE	1.0	PQL	ug/L
	91-20-3	NAPHTHALENE	1.0	PQL	ug/L
	104-51-8	N-BUTYLBENZENE	1.0	PQL	ug/L
	103-65-1	N-PROPYLBENZENE	1.0	PQL	ug/L
	95-47-6	O-XYLENE	1.0	PQL	ug/L
	99-87-6	P-ISOPROPYLTOLUENE	1.0	PQL	ug/L
	135-98-8	SEC-BUTYLBENZENE	1.0	PQL	ug/L
	100-42-5	STYRENE	1.0	PQL	ug/L
	98-06-6	TERT-BUTYLBENZENE	1.0	PQL	ug/L
	127-18-4	TETRACHLOROETHENE	1.0	PQL	ug/L
	108-88-3	TOLUENE	1.0	PQL	ug/L
	156-60-5	TRANS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	79-01-6	TRICHLOROETHENE	1.0	PQL	ug/L
	75-69-4	TRICHLOROFLUOROMETHANE	1.0	PQL	ug/L
	108-05-4	VINYL ACETATE	2.0	PQL	ug/L
	75-01-4	VINYL CHLORIDE	1.0	PQL	ug/L
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/L
FE3500	15438-31-0	Ferrous Iron	2	PQL	mg/L
RSK175	1333-74-0	HYDROGEN	10	PQL	ug/L
	74-82-8	METHANE	1	PQL	ug/L
SM4500S2D	18496-25-8	SULFIDE	0.1	PQL	mg/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	1	PQL	mg/Kg
	14797-65-0	Nitrite-N	1	PQL	mg/Kg
	14808-79-8	SULFATE	5	PQL	mg/Kg
415.1	E-10195	TOC	10	PQL	mg/Kg
8151	88-85-7	DINOSEB	10	PQL	ug/Kg
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	71-55-6	1,1,1-TRICHLOROETHANE	5	PQL	ug/Kg
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	79-00-5	1,1,2-TRICHLOROETHANE	5	PQL	ug/Kg
	75-34-3	1,1-DICHLOROETHANE	5	PQL	ug/Kg
	75-35-4	1,1-DICHLOROETHENE	5	PQL	ug/Kg
	563-58-6	1,1-DICHLOROPROPENE	5	PQL	ug/Kg
	87-61-6	1,2,3-TRICHLOROBENZENE	5	PQL	ug/Kg
	96-18-4	1,2,3-TRICHLOROPROPANE	5	PQL	ug/Kg
	120-82-1	1,2,4-TRICHLOROBENZENE	5	PQL	ug/Kg
	95-63-6	1,2,4-TRIMETHYLBENZENE	5	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	5	PQL	ug/Kg
	95-50-1	1,2-DICHLOROBENZENE	5	PQL	ug/Kg
	107-06-2	1,2-DICHLOROETHANE	5	PQL	ug/Kg
	78-87-5	1,2-DICHLOROPROPANE	5	PQL	ug/Kg
	108-67-8	1,3,5-TRIMETHYLBENZENE	5	PQL	ug/Kg
	541-73-1	1,3-DICHLOROBENZENE	5	PQL	ug/Kg
	142-28-9	1,3-DICHLOROPROPANE	5	PQL	ug/Kg
	106-46-7	1,4-DICHLOROBENZENE	5	PQL	ug/Kg
	594-20-7	2,2-DICHLOROPROPANE	5	PQL	ug/Kg
	78-93-3	2-BUTANONE	10	PQL	ug/Kg
	95-49-8	2-CHLOROTOLUENE	5	PQL	ug/Kg
	591-78-6	2-HEXANONE	10	PQL	ug/Kg
	106-43-4	4-CHLOROTOLUENE	5	PQL	ug/Kg
	67-64-1	ACETONE	10	PQL	ug/Kg
	71-43-2	BENZENE	5	PQL	ug/Kg
	108-86-1	BROMOBENZENE	5	PQL	ug/Kg
	74-97-5	BROMOCHLOROMETHANE	5	PQL	ug/Kg
	75-27-4	BROMODICHLOROMETHANE	5	PQL	ug/Kg
	75-25-2	BROMOFORM	5	PQL	ug/Kg
	74-83-9	BROMOMETHANE	10	PQL	ug/Kg
	75-15-0	CARBON DISULFIDE	5	PQL	ug/Kg
	56-23-5	CARBON TETRACHLORIDE	5	PQL	ug/Kg
	108-90-7	CHLOROBENZENE	5	PQL	ug/Kg
	75-00-3	CHLOROETHANE	5	PQL	ug/Kg
	67-66-3	CHLOROFORM	5	PQL	ug/Kg
	74-87-3	CHLOROMETHANE	5	PQL	ug/Kg
	156-59-2	CIS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	124-48-1	DIBROMOCHLOROMETHANE	5	PQL	ug/Kg
	74-95-3	DIBROMOMETHANE	5	PQL	ug/Kg
	75-71-8	DICHLORODIFLUOROMETHANE	5	PQL	ug/Kg
	100-41-4	ETHYLBENZENE	5	PQL	ug/Kg

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	5	PQL	ug/Kg
	87-68-3	HEXACHLOROBUTADIENE	5	PQL	ug/Kg
	98-82-8	Isopropyl Benzene	5	PQL	ug/Kg
	136777-61-2	M,P-XYLENES	10	PQL	ug/Kg
	75-09-2	METHYLENE CHLORIDE	5	PQL	ug/Kg
	108-10-1	MIBK	10	PQL	ug/Kg
	1634-04-4	MTBE	5	PQL	ug/Kg
	91-20-3	NAPHTHALENE	5	PQL	ug/Kg
	104-51-8	N-BUTYLBENZENE	5	PQL	ug/Kg
	103-65-1	N-PROPYLBENZENE	5	PQL	ug/Kg
	95-47-6	O-XYLENE	5	PQL	ug/Kg
	99-87-6	P-ISOPROPYLTOLUENE	5	PQL	ug/Kg
	135-98-8	SEC-BUTYLBENZENE	5	PQL	ug/Kg
	100-42-5	STYRENE	5	PQL	ug/Kg
	98-06-6	TERT-BUTYLBENZENE	5	PQL	ug/Kg
	127-18-4	TETRACHLOROETHENE	5	PQL	ug/Kg
	108-88-3	TOLUENE	5	PQL	ug/Kg
	156-60-5	TRANS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	79-01-6	TRICHLOROETHENE	5	PQL	ug/Kg
	75-69-4	TRICHLOROFLUOROMETHANE	5	PQL	ug/Kg
	108-05-4	VINYL ACETATE	5	PQL	ug/Kg
	75-01-4	VINYL CHLORIDE	5	PQL	ug/Kg
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/Kg

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8151	88-85-7	DINOSEB											
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE											
	71-55-6	1,1,1-TRICHLOROETHANE											
	79-34-5	1,1,2,2-TETRACHLOROETHANE											
	79-00-5	1,1,2-TRICHLOROETHANE											
	75-34-3	1,1-DICHLOROETHANE											
	75-35-4	1,1-DICHLOROETHENE											
	563-58-6	1,1-DICHLOROPROPENE											
	87-61-6	1,2,3-TRICHLOROBENZENE											
	96-18-4	1,2,3-TRICHLOROPROPANE											
	120-82-1	1,2,4-TRICHLOROBENZENE											
	95-63-6	1,2,4-TRIMETHYLBENZENE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
	95-50-1	1,2-DICHLOROBENZENE											
	107-06-2	1,2-DICHLOROETHANE											
	78-87-5	1,2-DICHLOROPROPANE											
	108-67-8	1,3,5-TRIMETHYLBENZENE											
	541-73-1	1,3-DICHLOROBENZENE											
	142-28-9	1,3-DICHLOROPROPANE											
	106-46-7	1,4-DICHLOROBENZENE											
	594-20-7	2,2-DICHLOROPROPANE											
	78-93-3	2-BUTANONE											
	95-49-8	2-CHLOROTOLUENE											
	591-78-6	2-HEXANONE											
	106-43-4	4-CHLOROTOLUENE											
	67-64-1	ACETONE											
	71-43-2	BENZENE											
	108-86-1	BROMOBENZENE											
	74-97-5	BROMOCHLOROMETHANE											
	75-27-4	BROMODICHLOROMETHANE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	75-25-2	BROMOFORM											
	74-83-9	BROMOMETHANE											
	75-15-0	CARBON DISULFIDE											
	56-23-5	CARBON TETRACHLORIDE											
	108-90-7	CHLOROBENZENE											
	75-00-3	CHLOROETHANE											
	67-66-3	CHLOROFORM											
	74-87-3	CHLOROMETHANE											
	156-59-2	CIS-1,2-DICHLOROETHENE											
	10061-01-5	CIS-1,3-DICHLOROPROPENE											
	124-48-1	DIBROMOCHLOROMETHANE											
	74-95-3	DIBROMOMETHANE											
	75-71-8	DICHLORODIFLUOROMETHANE											
	100-41-4	ETHYLBENZENE											
	76-13-1	FREON113											
	87-68-3	HEXACHLOROBUTADIENE											
	98-82-8	Isopropyl Benzene											
	136777-61-2	M,P-XYLENES											
	75-09-2	METHYLENE CHLORIDE											
	108-10-1	MIBK											
	1634-04-4	MTBE											
	91-20-3	NAPHTHALENE											
	104-51-8	N-BUTYLBENZENE											
	103-65-1	N-PROPYLBENZENE											
	95-47-6	O-XYLENE											
	99-87-6	P-ISOPROPYLTOLUENE											
	135-98-8	SEC-BUTYLBENZENE											
	100-42-5	STYRENE											
	98-06-6	TERT-BUTYLBENZENE											
	127-18-4	TETRACHLOROETHENE											
	108-88-3	TOLUENE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	156-60-5	TRANS-1,2-DICHLOROETHENE											
	10061-02-6	TRANS-1,3-DICHLOROPROPENE											
	79-01-6	TRICHLOROETHENE											
	75-69-4	TRICHLOROFLUOROMETHANE											
	108-05-4	VINYL ACETATE											
	75-01-4	VINYL CHLORIDE											
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
RSK175	1333-74-0	HYDROGEN											
	74-82-8	METHANE											

Library Validation Criteria: Inorganic Instrument Calibration

Library Group ID : ECO_BrownandBryant_121114 All Inorganic methods

			Initial Calibration			Initial Calibration Verification					Continuing Calibration Verification				
							Percent Recovery					Percent Recovery			
Analytical Method	**Client Analyte ID**	**Analyte Name**	**RRF**	**%RSD**	**Corr Co**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**
300.0	17778-88-0	Nitrate-N													
	14797-65-0	Nitrite-N													
	14808-79-8	SULFATE													
415.1	E-10195	TOC													
SM4500S2D	18496-25-8	SULFIDE													

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z

Reason Code Library: Example 2

Category	Code
Low Bias Indicator	L
High Bias Indicator	H
Temperature	1
Holding Times	
Sampling to Analysis	3
Sampling to Extraction	4
Extaction to Analysis	5
Method Blanks	6
Surrogate Recovery	7
MS/MSD	
MS/MSD Recovery	8
MS/MSD RPD	9
LCS	
LCS Recovery	10
LCS RPD	11
Reporting Limits	12
Field QC	
Field Blank	13
Equipment Blank	14
Trip Blank	15
Field Duplicate	16

Category	Code
Initial Calibration	
Initial Calibration RRF	17
Initial Calibration RSD	18
Initial Calibration Cor. Coef	19
Initial Calibration Verification	
Initial Calibration Verificaton RRF	20
Initial CalibrationVerification %D	21
Continuing Calibration	
Continuing Calibraiton RRF	22
Continuing Calibration %D	23
GC/MS Tune	
GC/MS Tune for Initial Calibration	24
GC/MS Tune for Continuing Calibration	25
Laboratory Duplicate	26

EDD Non-Conformance Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Non-Conformance Summary Page

Type	Count
0001	3
0002	0
0003	0
0004	2368
0005	0
0006	0
0007	0
0008	0
0009	0
0010	0
0011	0
0012	0
0013	0
0014	0
0015	0
0016	0
0017	0
0018	0
0019	0

Type	Count
0020	0
0021	0
0022	0
0023	0
0024	0
0025	2
0026	0
0027	0
0028	0
0029	0
0030	8
0031	0
0032	0
0033	0
0034	0
0035	0
0036	0
0037	0
0038	0

Total : 2,381

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Field or Record Errors

Table	Record	Field	Type	Description	Lab Comments
A1	92	Percent_Recovery	0001	The PercentRecovery value entered in this record exceeds the 5 character limit.	
A1	660	Percent_Recovery	0001	The PercentRecovery value entered in this record exceeds the 5 character limit.	
A1	915	Percent_Recovery	0001	The PercentRecovery value entered in this record exceeds the 5 character limit.	

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01E03 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01E02 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01E01 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01E03 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01E02 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01E01 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01D23 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01D23 in method 8260B SIM.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1	Reporting_Limit_Type	0004	RL	
A1	2	Reporting_Limit_Type	0004	RL	
A1	3	Reporting_Limit_Type	0004	RL	
A1	4	Reporting_Limit_Type	0004	RL	
A1	5	Reporting_Limit_Type	0004	RL	
A1	6	Reporting_Limit_Type	0004	RL	
A1	7	Reporting_Limit_Type	0004	RL	
A1	8	Reporting_Limit_Type	0004	RL	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	9	Reporting_Limit_Type	0004	RL		
A1	10	Reporting_Limit_Type	0004	RL		
A1	11	Reporting_Limit_Type	0004	RL		
A1	12	Reporting_Limit_Type	0004	RL		
A1	13	Reporting_Limit_Type	0004	RL		
A1	14	Reporting_Limit_Type	0004	RL		
A1	15	Reporting_Limit_Type	0004	RL		
A1	16	Reporting_Limit_Type	0004	RL		
A1	17	Reporting_Limit_Type	0004	RL		
A1	18	Reporting_Limit_Type	0004	RL		
A1	19	Reporting_Limit_Type	0004	RL		
A1	20	Reporting_Limit_Type	0004	RL		
A1	21	Reporting_Limit_Type	0004	RL		
A1	22	Reporting_Limit_Type	0004	RL		
A1	23	Reporting_Limit_Type	0004	RL		
A1	24	Reporting_Limit_Type	0004	RL		
A1	25	Reporting_Limit_Type	0004	RL		
A1	26	Reporting_Limit_Type	0004	RL		
A1	27	Reporting_Limit_Type	0004	RL		
A1	28	Reporting_Limit_Type	0004	RL		
A1	29	Reporting_Limit_Type	0004	RL		
A1	30	Reporting_Limit_Type	0004	RL		
A1	31	Reporting_Limit_Type	0004	RL		
A1	32	Reporting_Limit_Type	0004	RL		
A1	33	Reporting_Limit_Type	0004	RL		
A1	34	Reporting_Limit_Type	0004	RL		
A1	35	Reporting_Limit_Type	0004	RL		
A1	36	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	37	Reporting_Limit_Type	0004 RL		
A1	38	Reporting_Limit_Type	0004 RL		
A1	39	Reporting_Limit_Type	0004 RL		
A1	40	Reporting_Limit_Type	0004 RL		
A1	41	Reporting_Limit_Type	0004 RL		
A1	42	Reporting_Limit_Type	0004 RL		
A1	43	Reporting_Limit_Type	0004 RL		
A1	44	Reporting_Limit_Type	0004 RL		
A1	45	Reporting_Limit_Type	0004 RL		
A1	46	Reporting_Limit_Type	0004 RL		
A1	47	Reporting_Limit_Type	0004 RL		
A1	48	Reporting_Limit_Type	0004 RL		
A1	49	Reporting_Limit_Type	0004 RL		
A1	50	Reporting_Limit_Type	0004 RL		
A1	51	Reporting_Limit_Type	0004 RL		
A1	52	Reporting_Limit_Type	0004 RL		
A1	53	Reporting_Limit_Type	0004 RL		
A1	54	Reporting_Limit_Type	0004 RL		
A1	55	Reporting_Limit_Type	0004 RL		
A1	56	Reporting_Limit_Type	0004 RL		
A1	57	Reporting_Limit_Type	0004 RL		
A1	58	Reporting_Limit_Type	0004 RL		
A1	59	Reporting_Limit_Type	0004 RL		
A1	60	Reporting_Limit_Type	0004 RL		
A1	61	Reporting_Limit_Type	0004 RL		
A1	62	Reporting_Limit_Type	0004 RL		
A1	63	Reporting_Limit_Type	0004 RL		
A1	64	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	65	Reporting_Limit_Type	0004	RL		
A1	66	Reporting_Limit_Type	0004	RL		
A1	67	Reporting_Limit_Type	0004	RL		
A1	68	Reporting_Limit_Type	0004	RL		
A1	69	Reporting_Limit_Type	0004	RL		
A1	70	Reporting_Limit_Type	0004	RL		
A1	71	Reporting_Limit_Type	0004	RL		
A1	72	Reporting_Limit_Type	0004	RL		
A1	73	Reporting_Limit_Type	0004	RL		
A1	74	Reporting_Limit_Type	0004	RL		
A1	75	Reporting_Limit_Type	0004	RL		
A1	76	Reporting_Limit_Type	0004	RL		
A1	77	Reporting_Limit_Type	0004	RL		
A1	78	Reporting_Limit_Type	0004	RL		
A1	79	Reporting_Limit_Type	0004	RL		
A1	80	Reporting_Limit_Type	0004	RL		
A1	81	Reporting_Limit_Type	0004	RL		
A1	82	Reporting_Limit_Type	0004	RL		
A1	83	Reporting_Limit_Type	0004	RL		
A1	84	Reporting_Limit_Type	0004	RL		
A1	85	Reporting_Limit_Type	0004	RL		
A1	86	Reporting_Limit_Type	0004	RL		
A1	87	Reporting_Limit_Type	0004	RL		
A1	88	Reporting_Limit_Type	0004	RL		
A1	89	Reporting_Limit_Type	0004	RL		
A1	90	Reporting_Limit_Type	0004	RL		
A1	91	Reporting_Limit_Type	0004	RL		
A1	92	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	93	Reporting_Limit_Type	0004	RL		
A1	94	Reporting_Limit_Type	0004	RL		
A1	95	Reporting_Limit_Type	0004	RL		
A1	96	Reporting_Limit_Type	0004	RL		
A1	97	Reporting_Limit_Type	0004	RL		
A1	98	Reporting_Limit_Type	0004	RL		
A1	99	Reporting_Limit_Type	0004	RL		
A1	100	Reporting_Limit_Type	0004	RL		
A1	101	Reporting_Limit_Type	0004	RL		
A1	102	Reporting_Limit_Type	0004	RL		
A1	103	Reporting_Limit_Type	0004	RL		
A1	104	Reporting_Limit_Type	0004	RL		
A1	105	Reporting_Limit_Type	0004	RL		
A1	106	Reporting_Limit_Type	0004	RL		
A1	107	Reporting_Limit_Type	0004	RL		
A1	108	Reporting_Limit_Type	0004	RL		
A1	109	Reporting_Limit_Type	0004	RL		
A1	110	Reporting_Limit_Type	0004	RL		
A1	111	Reporting_Limit_Type	0004	RL		
A1	112	Reporting_Limit_Type	0004	RL		
A1	113	Reporting_Limit_Type	0004	RL		
A1	114	Reporting_Limit_Type	0004	RL		
A1	115	Reporting_Limit_Type	0004	RL		
A1	116	Reporting_Limit_Type	0004	RL		
A1	117	Reporting_Limit_Type	0004	RL		
A1	118	Reporting_Limit_Type	0004	RL		
A1	119	Reporting_Limit_Type	0004	RL		
A1	120	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	121	Reporting_Limit_Type	0004	RL		
A1	122	Reporting_Limit_Type	0004	RL		
A1	123	Reporting_Limit_Type	0004	RL		
A1	124	Reporting_Limit_Type	0004	RL		
A1	125	Reporting_Limit_Type	0004	RL		
A1	126	Reporting_Limit_Type	0004	RL		
A1	127	Reporting_Limit_Type	0004	RL		
A1	128	Reporting_Limit_Type	0004	RL		
A1	129	Reporting_Limit_Type	0004	RL		
A1	130	Reporting_Limit_Type	0004	RL		
A1	131	Reporting_Limit_Type	0004	RL		
A1	132	Reporting_Limit_Type	0004	RL		
A1	133	Reporting_Limit_Type	0004	RL		
A1	134	Reporting_Limit_Type	0004	RL		
A1	135	Reporting_Limit_Type	0004	RL		
A1	136	Reporting_Limit_Type	0004	RL		
A1	137	Reporting_Limit_Type	0004	RL		
A1	138	Reporting_Limit_Type	0004	RL		
A1	139	Reporting_Limit_Type	0004	RL		
A1	140	Reporting_Limit_Type	0004	RL		
A1	141	Reporting_Limit_Type	0004	RL		
A1	142	Reporting_Limit_Type	0004	RL		
A1	143	Reporting_Limit_Type	0004	RL		
A1	144	Reporting_Limit_Type	0004	RL		
A1	145	Reporting_Limit_Type	0004	RL		
A1	146	Reporting_Limit_Type	0004	RL		
A1	147	Reporting_Limit_Type	0004	RL		
A1	148	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	149	Reporting_Limit_Type	0004 RL		
A1	150	Reporting_Limit_Type	0004 RL		
A1	151	Reporting_Limit_Type	0004 RL		
A1	152	Reporting_Limit_Type	0004 RL		
A1	153	Reporting_Limit_Type	0004 RL		
A1	154	Reporting_Limit_Type	0004 RL		
A1	155	Reporting_Limit_Type	0004 RL		
A1	156	Reporting_Limit_Type	0004 RL		
A1	157	Reporting_Limit_Type	0004 RL		
A1	158	Reporting_Limit_Type	0004 RL		
A1	159	Reporting_Limit_Type	0004 RL		
A1	160	Reporting_Limit_Type	0004 RL		
A1	161	Reporting_Limit_Type	0004 RL		
A1	162	Reporting_Limit_Type	0004 RL		
A1	163	Reporting_Limit_Type	0004 RL		
A1	164	Reporting_Limit_Type	0004 RL		
A1	165	Reporting_Limit_Type	0004 RL		
A1	166	Reporting_Limit_Type	0004 RL		
A1	167	Reporting_Limit_Type	0004 RL		
A1	168	Reporting_Limit_Type	0004 RL		
A1	169	Reporting_Limit_Type	0004 RL		
A1	170	Reporting_Limit_Type	0004 RL		
A1	171	Reporting_Limit_Type	0004 RL		
A1	172	Reporting_Limit_Type	0004 RL		
A1	173	Reporting_Limit_Type	0004 RL		
A1	174	Reporting_Limit_Type	0004 RL		
A1	175	Reporting_Limit_Type	0004 RL		
A1	176	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	177	Reporting_Limit_Type	0004	RL		
A1	178	Reporting_Limit_Type	0004	RL		
A1	179	Reporting_Limit_Type	0004	RL		
A1	180	Reporting_Limit_Type	0004	RL		
A1	181	Reporting_Limit_Type	0004	RL		
A1	182	Reporting_Limit_Type	0004	RL		
A1	183	Reporting_Limit_Type	0004	RL		
A1	184	Reporting_Limit_Type	0004	RL		
A1	185	Reporting_Limit_Type	0004	RL		
A1	186	Reporting_Limit_Type	0004	RL		
A1	187	Reporting_Limit_Type	0004	RL		
A1	188	Reporting_Limit_Type	0004	RL		
A1	189	Reporting_Limit_Type	0004	RL		
A1	190	Reporting_Limit_Type	0004	RL		
A1	191	Reporting_Limit_Type	0004	RL		
A1	192	Reporting_Limit_Type	0004	RL		
A1	193	Reporting_Limit_Type	0004	RL		
A1	194	Reporting_Limit_Type	0004	RL		
A1	195	Reporting_Limit_Type	0004	RL		
A1	196	Reporting_Limit_Type	0004	RL		
A1	197	Reporting_Limit_Type	0004	RL		
A1	198	Reporting_Limit_Type	0004	RL		
A1	199	Reporting_Limit_Type	0004	RL		
A1	200	Reporting_Limit_Type	0004	RL		
A1	201	Reporting_Limit_Type	0004	RL		
A1	202	Reporting_Limit_Type	0004	RL		
A1	203	Reporting_Limit_Type	0004	RL		
A1	204	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	205	Reporting_Limit_Type	0004	RL		
A1	206	Reporting_Limit_Type	0004	RL		
A1	207	Reporting_Limit_Type	0004	RL		
A1	208	Reporting_Limit_Type	0004	RL		
A1	209	Reporting_Limit_Type	0004	RL		
A1	210	Reporting_Limit_Type	0004	RL		
A1	211	Reporting_Limit_Type	0004	RL		
A1	212	Reporting_Limit_Type	0004	RL		
A1	213	Reporting_Limit_Type	0004	RL		
A1	214	Reporting_Limit_Type	0004	RL		
A1	215	Reporting_Limit_Type	0004	RL		
A1	216	Reporting_Limit_Type	0004	RL		
A1	217	Reporting_Limit_Type	0004	RL		
A1	218	Reporting_Limit_Type	0004	RL		
A1	219	Reporting_Limit_Type	0004	RL		
A1	220	Reporting_Limit_Type	0004	RL		
A1	221	Reporting_Limit_Type	0004	RL		
A1	222	Reporting_Limit_Type	0004	RL		
A1	223	Reporting_Limit_Type	0004	RL		
A1	224	Reporting_Limit_Type	0004	RL		
A1	225	Reporting_Limit_Type	0004	RL		
A1	226	Reporting_Limit_Type	0004	RL		
A1	227	Reporting_Limit_Type	0004	RL		
A1	228	Reporting_Limit_Type	0004	RL		
A1	229	Reporting_Limit_Type	0004	RL		
A1	230	Reporting_Limit_Type	0004	RL		
A1	231	Reporting_Limit_Type	0004	RL		
A1	232	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	233	Reporting_Limit_Type	0004	RL		
A1	234	Reporting_Limit_Type	0004	RL		
A1	235	Reporting_Limit_Type	0004	RL		
A1	236	Reporting_Limit_Type	0004	RL		
A1	237	Reporting_Limit_Type	0004	RL		
A1	238	Reporting_Limit_Type	0004	RL		
A1	239	Reporting_Limit_Type	0004	RL		
A1	240	Reporting_Limit_Type	0004	RL		
A1	241	Reporting_Limit_Type	0004	RL		
A1	242	Reporting_Limit_Type	0004	RL		
A1	243	Reporting_Limit_Type	0004	RL		
A1	244	Reporting_Limit_Type	0004	RL		
A1	245	Reporting_Limit_Type	0004	RL		
A1	246	Reporting_Limit_Type	0004	RL		
A1	247	Reporting_Limit_Type	0004	RL		
A1	248	Reporting_Limit_Type	0004	RL		
A1	249	Reporting_Limit_Type	0004	RL		
A1	250	Reporting_Limit_Type	0004	RL		
A1	251	Reporting_Limit_Type	0004	RL		
A1	252	Reporting_Limit_Type	0004	RL		
A1	253	Reporting_Limit_Type	0004	RL		
A1	254	Reporting_Limit_Type	0004	RL		
A1	255	Reporting_Limit_Type	0004	RL		
A1	256	Reporting_Limit_Type	0004	RL		
A1	257	Reporting_Limit_Type	0004	RL		
A1	258	Reporting_Limit_Type	0004	RL		
A1	259	Reporting_Limit_Type	0004	RL		
A1	260	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	261	Reporting_Limit_Type	0004	RL		
A1	262	Reporting_Limit_Type	0004	RL		
A1	263	Reporting_Limit_Type	0004	RL		
A1	264	Reporting_Limit_Type	0004	RL		
A1	265	Reporting_Limit_Type	0004	RL		
A1	266	Reporting_Limit_Type	0004	RL		
A1	267	Reporting_Limit_Type	0004	RL		
A1	268	Reporting_Limit_Type	0004	RL		
A1	269	Reporting_Limit_Type	0004	RL		
A1	270	Reporting_Limit_Type	0004	RL		
A1	271	Reporting_Limit_Type	0004	RL		
A1	272	Reporting_Limit_Type	0004	RL		
A1	273	Reporting_Limit_Type	0004	RL		
A1	274	Reporting_Limit_Type	0004	RL		
A1	275	Reporting_Limit_Type	0004	RL		
A1	276	Reporting_Limit_Type	0004	RL		
A1	277	Reporting_Limit_Type	0004	RL		
A1	278	Reporting_Limit_Type	0004	RL		
A1	279	Reporting_Limit_Type	0004	RL		
A1	280	Reporting_Limit_Type	0004	RL		
A1	281	Reporting_Limit_Type	0004	RL		
A1	282	Reporting_Limit_Type	0004	RL		
A1	283	Reporting_Limit_Type	0004	RL		
A1	284	Reporting_Limit_Type	0004	RL		
A1	285	Reporting_Limit_Type	0004	RL		
A1	286	Reporting_Limit_Type	0004	RL		
A1	287	Reporting_Limit_Type	0004	RL		
A1	288	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	289	Reporting_Limit_Type	0004	RL		
A1	290	Reporting_Limit_Type	0004	RL		
A1	291	Reporting_Limit_Type	0004	RL		
A1	292	Reporting_Limit_Type	0004	RL		
A1	293	Reporting_Limit_Type	0004	RL		
A1	294	Reporting_Limit_Type	0004	RL		
A1	295	Reporting_Limit_Type	0004	RL		
A1	296	Reporting_Limit_Type	0004	RL		
A1	297	Reporting_Limit_Type	0004	RL		
A1	298	Reporting_Limit_Type	0004	RL		
A1	299	Reporting_Limit_Type	0004	RL		
A1	300	Reporting_Limit_Type	0004	RL		
A1	301	Reporting_Limit_Type	0004	RL		
A1	302	Reporting_Limit_Type	0004	RL		
A1	303	Reporting_Limit_Type	0004	RL		
A1	304	Reporting_Limit_Type	0004	RL		
A1	305	Reporting_Limit_Type	0004	RL		
A1	306	Reporting_Limit_Type	0004	RL		
A1	307	Reporting_Limit_Type	0004	RL		
A1	308	Reporting_Limit_Type	0004	RL		
A1	309	Reporting_Limit_Type	0004	RL		
A1	310	Reporting_Limit_Type	0004	RL		
A1	311	Reporting_Limit_Type	0004	RL		
A1	312	Reporting_Limit_Type	0004	RL		
A1	313	Reporting_Limit_Type	0004	RL		
A1	314	Reporting_Limit_Type	0004	RL		
A1	315	Reporting_Limit_Type	0004	RL		
A1	316	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	317	Reporting_Limit_Type	0004	RL		
A1	318	Reporting_Limit_Type	0004	RL		
A1	319	Reporting_Limit_Type	0004	RL		
A1	320	Reporting_Limit_Type	0004	RL		
A1	321	Reporting_Limit_Type	0004	RL		
A1	322	Reporting_Limit_Type	0004	RL		
A1	323	Reporting_Limit_Type	0004	RL		
A1	324	Reporting_Limit_Type	0004	RL		
A1	325	Reporting_Limit_Type	0004	RL		
A1	326	Reporting_Limit_Type	0004	RL		
A1	327	Reporting_Limit_Type	0004	RL		
A1	328	Reporting_Limit_Type	0004	RL		
A1	329	Reporting_Limit_Type	0004	RL		
A1	330	Reporting_Limit_Type	0004	RL		
A1	331	Reporting_Limit_Type	0004	RL		
A1	332	Reporting_Limit_Type	0004	RL		
A1	333	Reporting_Limit_Type	0004	RL		
A1	334	Reporting_Limit_Type	0004	RL		
A1	335	Reporting_Limit_Type	0004	RL		
A1	336	Reporting_Limit_Type	0004	RL		
A1	337	Reporting_Limit_Type	0004	RL		
A1	338	Reporting_Limit_Type	0004	RL		
A1	339	Reporting_Limit_Type	0004	RL		
A1	340	Reporting_Limit_Type	0004	RL		
A1	341	Reporting_Limit_Type	0004	RL		
A1	342	Reporting_Limit_Type	0004	RL		
A1	343	Reporting_Limit_Type	0004	RL		
A1	344	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	345	Reporting_Limit_Type	0004 RL		
A1	346	Reporting_Limit_Type	0004 RL		
A1	347	Reporting_Limit_Type	0004 RL		
A1	348	Reporting_Limit_Type	0004 RL		
A1	349	Reporting_Limit_Type	0004 RL		
A1	350	Reporting_Limit_Type	0004 RL		
A1	351	Reporting_Limit_Type	0004 RL		
A1	352	Reporting_Limit_Type	0004 RL		
A1	353	Reporting_Limit_Type	0004 RL		
A1	354	Reporting_Limit_Type	0004 RL		
A1	355	Reporting_Limit_Type	0004 RL		
A1	356	Reporting_Limit_Type	0004 RL		
A1	357	Reporting_Limit_Type	0004 RL		
A1	358	Reporting_Limit_Type	0004 RL		
A1	359	Reporting_Limit_Type	0004 RL		
A1	360	Reporting_Limit_Type	0004 RL		
A1	361	Reporting_Limit_Type	0004 RL		
A1	362	Reporting_Limit_Type	0004 RL		
A1	363	Reporting_Limit_Type	0004 RL		
A1	364	Reporting_Limit_Type	0004 RL		
A1	365	Reporting_Limit_Type	0004 RL		
A1	366	Reporting_Limit_Type	0004 RL		
A1	367	Reporting_Limit_Type	0004 RL		
A1	368	Reporting_Limit_Type	0004 RL		
A1	369	Reporting_Limit_Type	0004 RL		
A1	370	Reporting_Limit_Type	0004 RL		
A1	371	Reporting_Limit_Type	0004 RL		
A1	372	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	373	Reporting_Limit_Type	0004	RL		
A1	374	Reporting_Limit_Type	0004	RL		
A1	375	Reporting_Limit_Type	0004	RL		
A1	376	Reporting_Limit_Type	0004	RL		
A1	377	Reporting_Limit_Type	0004	RL		
A1	378	Reporting_Limit_Type	0004	RL		
A1	379	Reporting_Limit_Type	0004	RL		
A1	380	Reporting_Limit_Type	0004	RL		
A1	381	Reporting_Limit_Type	0004	RL		
A1	382	Reporting_Limit_Type	0004	RL		
A1	383	Reporting_Limit_Type	0004	RL		
A1	384	Reporting_Limit_Type	0004	RL		
A1	385	Reporting_Limit_Type	0004	RL		
A1	386	Reporting_Limit_Type	0004	RL		
A1	387	Reporting_Limit_Type	0004	RL		
A1	388	Reporting_Limit_Type	0004	RL		
A1	389	Reporting_Limit_Type	0004	RL		
A1	390	Reporting_Limit_Type	0004	RL		
A1	391	Reporting_Limit_Type	0004	RL		
A1	392	Reporting_Limit_Type	0004	RL		
A1	393	Reporting_Limit_Type	0004	RL		
A1	394	Reporting_Limit_Type	0004	RL		
A1	395	Reporting_Limit_Type	0004	RL		
A1	396	Reporting_Limit_Type	0004	RL		
A1	397	Reporting_Limit_Type	0004	RL		
A1	398	Reporting_Limit_Type	0004	RL		
A1	399	Reporting_Limit_Type	0004	RL		
A1	400	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	401	Reporting_Limit_Type	0004	RL		
A1	402	Reporting_Limit_Type	0004	RL		
A1	403	Reporting_Limit_Type	0004	RL		
A1	404	Reporting_Limit_Type	0004	RL		
A1	405	Reporting_Limit_Type	0004	RL		
A1	406	Reporting_Limit_Type	0004	RL		
A1	407	Reporting_Limit_Type	0004	RL		
A1	408	Reporting_Limit_Type	0004	RL		
A1	409	Reporting_Limit_Type	0004	RL		
A1	410	Reporting_Limit_Type	0004	RL		
A1	411	Reporting_Limit_Type	0004	RL		
A1	412	Reporting_Limit_Type	0004	RL		
A1	413	Reporting_Limit_Type	0004	RL		
A1	414	Reporting_Limit_Type	0004	RL		
A1	415	Reporting_Limit_Type	0004	RL		
A1	416	Reporting_Limit_Type	0004	RL		
A1	417	Reporting_Limit_Type	0004	RL		
A1	418	Reporting_Limit_Type	0004	RL		
A1	419	Reporting_Limit_Type	0004	RL		
A1	420	Reporting_Limit_Type	0004	RL		
A1	421	Reporting_Limit_Type	0004	RL		
A1	422	Reporting_Limit_Type	0004	RL		
A1	423	Reporting_Limit_Type	0004	RL		
A1	424	Reporting_Limit_Type	0004	RL		
A1	425	Reporting_Limit_Type	0004	RL		
A1	426	Reporting_Limit_Type	0004	RL		
A1	427	Reporting_Limit_Type	0004	RL		
A1	428	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	429	Reporting_Limit_Type	0004	RL		
A1	430	Reporting_Limit_Type	0004	RL		
A1	431	Reporting_Limit_Type	0004	RL		
A1	432	Reporting_Limit_Type	0004	RL		
A1	433	Reporting_Limit_Type	0004	RL		
A1	434	Reporting_Limit_Type	0004	RL		
A1	435	Reporting_Limit_Type	0004	RL		
A1	436	Reporting_Limit_Type	0004	RL		
A1	437	Reporting_Limit_Type	0004	RL		
A1	438	Reporting_Limit_Type	0004	RL		
A1	439	Reporting_Limit_Type	0004	RL		
A1	440	Reporting_Limit_Type	0004	RL		
A1	441	Reporting_Limit_Type	0004	RL		
A1	442	Reporting_Limit_Type	0004	RL		
A1	443	Reporting_Limit_Type	0004	RL		
A1	444	Reporting_Limit_Type	0004	RL		
A1	445	Reporting_Limit_Type	0004	RL		
A1	446	Reporting_Limit_Type	0004	RL		
A1	447	Reporting_Limit_Type	0004	RL		
A1	448	Reporting_Limit_Type	0004	RL		
A1	449	Reporting_Limit_Type	0004	RL		
A1	450	Reporting_Limit_Type	0004	RL		
A1	451	Reporting_Limit_Type	0004	RL		
A1	452	Reporting_Limit_Type	0004	RL		
A1	453	Reporting_Limit_Type	0004	RL		
A1	454	Reporting_Limit_Type	0004	RL		
A1	455	Reporting_Limit_Type	0004	RL		
A1	456	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	457	Reporting_Limit_Type	0004	RL		
A1	458	Reporting_Limit_Type	0004	RL		
A1	459	Reporting_Limit_Type	0004	RL		
A1	460	Reporting_Limit_Type	0004	RL		
A1	461	Reporting_Limit_Type	0004	RL		
A1	462	Reporting_Limit_Type	0004	RL		
A1	463	Reporting_Limit_Type	0004	RL		
A1	464	Reporting_Limit_Type	0004	RL		
A1	465	Reporting_Limit_Type	0004	RL		
A1	466	Reporting_Limit_Type	0004	RL		
A1	467	Reporting_Limit_Type	0004	RL		
A1	468	Reporting_Limit_Type	0004	RL		
A1	469	Reporting_Limit_Type	0004	RL		
A1	470	Reporting_Limit_Type	0004	RL		
A1	471	Reporting_Limit_Type	0004	RL		
A1	472	Reporting_Limit_Type	0004	RL		
A1	473	Reporting_Limit_Type	0004	RL		
A1	474	Reporting_Limit_Type	0004	RL		
A1	475	Reporting_Limit_Type	0004	RL		
A1	476	Reporting_Limit_Type	0004	RL		
A1	477	Reporting_Limit_Type	0004	RL		
A1	478	Reporting_Limit_Type	0004	RL		
A1	479	Reporting_Limit_Type	0004	RL		
A1	480	Reporting_Limit_Type	0004	RL		
A1	481	Reporting_Limit_Type	0004	RL		
A1	482	Reporting_Limit_Type	0004	RL		
A1	483	Reporting_Limit_Type	0004	RL		
A1	484	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	485	Reporting_Limit_Type	0004	RL		
A1	486	Reporting_Limit_Type	0004	RL		
A1	487	Reporting_Limit_Type	0004	RL		
A1	488	Reporting_Limit_Type	0004	RL		
A1	489	Reporting_Limit_Type	0004	RL		
A1	490	Reporting_Limit_Type	0004	RL		
A1	491	Reporting_Limit_Type	0004	RL		
A1	492	Reporting_Limit_Type	0004	RL		
A1	493	Reporting_Limit_Type	0004	RL		
A1	494	Reporting_Limit_Type	0004	RL		
A1	495	Reporting_Limit_Type	0004	RL		
A1	496	Reporting_Limit_Type	0004	RL		
A1	497	Reporting_Limit_Type	0004	RL		
A1	498	Reporting_Limit_Type	0004	RL		
A1	499	Reporting_Limit_Type	0004	RL		
A1	500	Reporting_Limit_Type	0004	RL		
A1	501	Reporting_Limit_Type	0004	RL		
A1	502	Reporting_Limit_Type	0004	RL		
A1	503	Reporting_Limit_Type	0004	RL		
A1	504	Reporting_Limit_Type	0004	RL		
A1	505	Reporting_Limit_Type	0004	RL		
A1	506	Reporting_Limit_Type	0004	RL		
A1	507	Reporting_Limit_Type	0004	RL		
A1	508	Reporting_Limit_Type	0004	RL		
A1	509	Reporting_Limit_Type	0004	RL		
A1	510	Reporting_Limit_Type	0004	RL		
A1	511	Reporting_Limit_Type	0004	RL		
A1	512	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	513	Reporting_Limit_Type	0004	RL		
A1	514	Reporting_Limit_Type	0004	RL		
A1	515	Reporting_Limit_Type	0004	RL		
A1	516	Reporting_Limit_Type	0004	RL		
A1	517	Reporting_Limit_Type	0004	RL		
A1	518	Reporting_Limit_Type	0004	RL		
A1	519	Reporting_Limit_Type	0004	RL		
A1	520	Reporting_Limit_Type	0004	RL		
A1	521	Reporting_Limit_Type	0004	RL		
A1	522	Reporting_Limit_Type	0004	RL		
A1	523	Reporting_Limit_Type	0004	RL		
A1	524	Reporting_Limit_Type	0004	RL		
A1	525	Reporting_Limit_Type	0004	RL		
A1	526	Reporting_Limit_Type	0004	RL		
A1	527	Reporting_Limit_Type	0004	RL		
A1	528	Reporting_Limit_Type	0004	RL		
A1	529	Reporting_Limit_Type	0004	RL		
A1	530	Reporting_Limit_Type	0004	RL		
A1	531	Reporting_Limit_Type	0004	RL		
A1	532	Reporting_Limit_Type	0004	RL		
A1	533	Reporting_Limit_Type	0004	RL		
A1	534	Reporting_Limit_Type	0004	RL		
A1	535	Reporting_Limit_Type	0004	RL		
A1	536	Reporting_Limit_Type	0004	RL		
A1	537	Reporting_Limit_Type	0004	RL		
A1	538	Reporting_Limit_Type	0004	RL		
A1	539	Reporting_Limit_Type	0004	RL		
A1	540	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	541	Reporting_Limit_Type	0004	RL		
A1	542	Reporting_Limit_Type	0004	RL		
A1	543	Reporting_Limit_Type	0004	RL		
A1	544	Reporting_Limit_Type	0004	RL		
A1	545	Reporting_Limit_Type	0004	RL		
A1	546	Reporting_Limit_Type	0004	RL		
A1	547	Reporting_Limit_Type	0004	RL		
A1	548	Reporting_Limit_Type	0004	RL		
A1	549	Reporting_Limit_Type	0004	RL		
A1	550	Reporting_Limit_Type	0004	RL		
A1	551	Reporting_Limit_Type	0004	RL		
A1	552	Reporting_Limit_Type	0004	RL		
A1	553	Reporting_Limit_Type	0004	RL		
A1	554	Reporting_Limit_Type	0004	RL		
A1	555	Reporting_Limit_Type	0004	RL		
A1	556	Reporting_Limit_Type	0004	RL		
A1	557	Reporting_Limit_Type	0004	RL		
A1	558	Reporting_Limit_Type	0004	RL		
A1	559	Reporting_Limit_Type	0004	RL		
A1	560	Reporting_Limit_Type	0004	RL		
A1	561	Reporting_Limit_Type	0004	RL		
A1	562	Reporting_Limit_Type	0004	RL		
A1	563	Reporting_Limit_Type	0004	RL		
A1	564	Reporting_Limit_Type	0004	RL		
A1	565	Reporting_Limit_Type	0004	RL		
A1	566	Reporting_Limit_Type	0004	RL		
A1	567	Reporting_Limit_Type	0004	RL		
A1	568	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	569	Reporting_Limit_Type	0004	RL		
A1	570	Reporting_Limit_Type	0004	RL		
A1	571	Reporting_Limit_Type	0004	RL		
A1	572	Reporting_Limit_Type	0004	RL		
A1	573	Reporting_Limit_Type	0004	RL		
A1	574	Reporting_Limit_Type	0004	RL		
A1	575	Reporting_Limit_Type	0004	RL		
A1	576	Reporting_Limit_Type	0004	RL		
A1	577	Reporting_Limit_Type	0004	RL		
A1	578	Reporting_Limit_Type	0004	RL		
A1	579	Reporting_Limit_Type	0004	RL		
A1	580	Reporting_Limit_Type	0004	RL		
A1	581	Reporting_Limit_Type	0004	RL		
A1	582	Reporting_Limit_Type	0004	RL		
A1	583	Reporting_Limit_Type	0004	RL		
A1	584	Reporting_Limit_Type	0004	RL		
A1	585	Reporting_Limit_Type	0004	RL		
A1	586	Reporting_Limit_Type	0004	RL		
A1	587	Reporting_Limit_Type	0004	RL		
A1	588	Reporting_Limit_Type	0004	RL		
A1	589	Reporting_Limit_Type	0004	RL		
A1	590	Reporting_Limit_Type	0004	RL		
A1	591	Reporting_Limit_Type	0004	RL		
A1	592	Reporting_Limit_Type	0004	RL		
A1	593	Reporting_Limit_Type	0004	RL		
A1	594	Reporting_Limit_Type	0004	RL		
A1	595	Reporting_Limit_Type	0004	RL		
A1	596	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	597	Reporting_Limit_Type	0004	RL		
A1	598	Reporting_Limit_Type	0004	RL		
A1	599	Reporting_Limit_Type	0004	RL		
A1	600	Reporting_Limit_Type	0004	RL		
A1	601	Reporting_Limit_Type	0004	RL		
A1	602	Reporting_Limit_Type	0004	RL		
A1	603	Reporting_Limit_Type	0004	RL		
A1	604	Reporting_Limit_Type	0004	RL		
A1	605	Reporting_Limit_Type	0004	RL		
A1	606	Reporting_Limit_Type	0004	RL		
A1	607	Reporting_Limit_Type	0004	RL		
A1	608	Reporting_Limit_Type	0004	RL		
A1	609	Reporting_Limit_Type	0004	RL		
A1	610	Reporting_Limit_Type	0004	RL		
A1	611	Reporting_Limit_Type	0004	RL		
A1	612	Reporting_Limit_Type	0004	RL		
A1	613	Reporting_Limit_Type	0004	RL		
A1	614	Reporting_Limit_Type	0004	RL		
A1	615	Reporting_Limit_Type	0004	RL		
A1	616	Reporting_Limit_Type	0004	RL		
A1	617	Reporting_Limit_Type	0004	RL		
A1	618	Reporting_Limit_Type	0004	RL		
A1	619	Reporting_Limit_Type	0004	RL		
A1	620	Reporting_Limit_Type	0004	RL		
A1	621	Reporting_Limit_Type	0004	RL		
A1	622	Reporting_Limit_Type	0004	RL		
A1	623	Reporting_Limit_Type	0004	RL		
A1	624	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	625	Reporting_Limit_Type	0004	RL		
A1	626	Reporting_Limit_Type	0004	RL		
A1	627	Reporting_Limit_Type	0004	RL		
A1	628	Reporting_Limit_Type	0004	RL		
A1	629	Reporting_Limit_Type	0004	RL		
A1	630	Reporting_Limit_Type	0004	RL		
A1	631	Reporting_Limit_Type	0004	RL		
A1	632	Reporting_Limit_Type	0004	RL		
A1	633	Reporting_Limit_Type	0004	RL		
A1	634	Reporting_Limit_Type	0004	RL		
A1	635	Reporting_Limit_Type	0004	RL		
A1	636	Reporting_Limit_Type	0004	RL		
A1	637	Reporting_Limit_Type	0004	RL		
A1	638	Reporting_Limit_Type	0004	RL		
A1	639	Reporting_Limit_Type	0004	RL		
A1	640	Reporting_Limit_Type	0004	RL		
A1	641	Reporting_Limit_Type	0004	RL		
A1	642	Reporting_Limit_Type	0004	RL		
A1	643	Reporting_Limit_Type	0004	RL		
A1	644	Reporting_Limit_Type	0004	RL		
A1	645	Reporting_Limit_Type	0004	RL		
A1	646	Reporting_Limit_Type	0004	RL		
A1	647	Reporting_Limit_Type	0004	RL		
A1	648	Reporting_Limit_Type	0004	RL		
A1	649	Reporting_Limit_Type	0004	RL		
A1	650	Reporting_Limit_Type	0004	RL		
A1	651	Reporting_Limit_Type	0004	RL		
A1	652	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	653	Reporting_Limit_Type	0004	RL		
A1	654	Reporting_Limit_Type	0004	RL		
A1	655	Reporting_Limit_Type	0004	RL		
A1	656	Reporting_Limit_Type	0004	RL		
A1	657	Reporting_Limit_Type	0004	RL		
A1	658	Reporting_Limit_Type	0004	RL		
A1	659	Reporting_Limit_Type	0004	RL		
A1	660	Reporting_Limit_Type	0004	RL		
A1	661	Reporting_Limit_Type	0004	RL		
A1	662	Reporting_Limit_Type	0004	RL		
A1	663	Reporting_Limit_Type	0004	RL		
A1	664	Reporting_Limit_Type	0004	RL		
A1	665	Reporting_Limit_Type	0004	RL		
A1	666	Reporting_Limit_Type	0004	RL		
A1	667	Reporting_Limit_Type	0004	RL		
A1	668	Reporting_Limit_Type	0004	RL		
A1	669	Reporting_Limit_Type	0004	RL		
A1	670	Reporting_Limit_Type	0004	RL		
A1	671	Reporting_Limit_Type	0004	RL		
A1	672	Reporting_Limit_Type	0004	RL		
A1	673	Reporting_Limit_Type	0004	RL		
A1	674	Reporting_Limit_Type	0004	RL		
A1	675	Reporting_Limit_Type	0004	RL		
A1	676	Reporting_Limit_Type	0004	RL		
A1	677	Reporting_Limit_Type	0004	RL		
A1	678	Reporting_Limit_Type	0004	RL		
A1	679	Reporting_Limit_Type	0004	RL		
A1	680	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	681	Reporting_Limit_Type	0004	RL		
A1	682	Reporting_Limit_Type	0004	RL		
A1	683	Reporting_Limit_Type	0004	RL		
A1	684	Reporting_Limit_Type	0004	RL		
A1	685	Reporting_Limit_Type	0004	RL		
A1	686	Reporting_Limit_Type	0004	RL		
A1	687	Reporting_Limit_Type	0004	RL		
A1	688	Reporting_Limit_Type	0004	RL		
A1	689	Reporting_Limit_Type	0004	RL		
A1	690	Reporting_Limit_Type	0004	RL		
A1	691	Reporting_Limit_Type	0004	RL		
A1	692	Reporting_Limit_Type	0004	RL		
A1	693	Reporting_Limit_Type	0004	RL		
A1	694	Reporting_Limit_Type	0004	RL		
A1	695	Reporting_Limit_Type	0004	RL		
A1	696	Reporting_Limit_Type	0004	RL		
A1	697	Reporting_Limit_Type	0004	RL		
A1	698	Reporting_Limit_Type	0004	RL		
A1	699	Reporting_Limit_Type	0004	RL		
A1	700	Reporting_Limit_Type	0004	RL		
A1	701	Reporting_Limit_Type	0004	RL		
A1	702	Reporting_Limit_Type	0004	RL		
A1	703	Reporting_Limit_Type	0004	RL		
A1	704	Reporting_Limit_Type	0004	RL		
A1	705	Reporting_Limit_Type	0004	RL		
A1	706	Reporting_Limit_Type	0004	RL		
A1	707	Reporting_Limit_Type	0004	RL		
A1	708	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	709	Reporting_Limit_Type	0004	RL		
A1	710	Reporting_Limit_Type	0004	RL		
A1	711	Reporting_Limit_Type	0004	RL		
A1	712	Reporting_Limit_Type	0004	RL		
A1	713	Reporting_Limit_Type	0004	RL		
A1	714	Reporting_Limit_Type	0004	RL		
A1	715	Reporting_Limit_Type	0004	RL		
A1	716	Reporting_Limit_Type	0004	RL		
A1	717	Reporting_Limit_Type	0004	RL		
A1	718	Reporting_Limit_Type	0004	RL		
A1	719	Reporting_Limit_Type	0004	RL		
A1	720	Reporting_Limit_Type	0004	RL		
A1	721	Reporting_Limit_Type	0004	RL		
A1	722	Reporting_Limit_Type	0004	RL		
A1	723	Reporting_Limit_Type	0004	RL		
A1	724	Reporting_Limit_Type	0004	RL		
A1	725	Reporting_Limit_Type	0004	RL		
A1	726	Reporting_Limit_Type	0004	RL		
A1	727	Reporting_Limit_Type	0004	RL		
A1	728	Reporting_Limit_Type	0004	RL		
A1	729	Reporting_Limit_Type	0004	RL		
A1	730	Reporting_Limit_Type	0004	RL		
A1	731	Reporting_Limit_Type	0004	RL		
A1	732	Reporting_Limit_Type	0004	RL		
A1	733	Reporting_Limit_Type	0004	RL		
A1	734	Reporting_Limit_Type	0004	RL		
A1	735	Reporting_Limit_Type	0004	RL		
A1	736	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	737	Reporting_Limit_Type	0004	RL		
A1	738	Reporting_Limit_Type	0004	RL		
A1	739	Reporting_Limit_Type	0004	RL		
A1	740	Reporting_Limit_Type	0004	RL		
A1	741	Reporting_Limit_Type	0004	RL		
A1	742	Reporting_Limit_Type	0004	RL		
A1	743	Reporting_Limit_Type	0004	RL		
A1	744	Reporting_Limit_Type	0004	RL		
A1	745	Reporting_Limit_Type	0004	RL		
A1	746	Reporting_Limit_Type	0004	RL		
A1	747	Reporting_Limit_Type	0004	RL		
A1	748	Reporting_Limit_Type	0004	RL		
A1	749	Reporting_Limit_Type	0004	RL		
A1	750	Reporting_Limit_Type	0004	RL		
A1	751	Reporting_Limit_Type	0004	RL		
A1	752	Reporting_Limit_Type	0004	RL		
A1	753	Reporting_Limit_Type	0004	RL		
A1	754	Reporting_Limit_Type	0004	RL		
A1	755	Reporting_Limit_Type	0004	RL		
A1	756	Reporting_Limit_Type	0004	RL		
A1	757	Reporting_Limit_Type	0004	RL		
A1	758	Reporting_Limit_Type	0004	RL		
A1	759	Reporting_Limit_Type	0004	RL		
A1	760	Reporting_Limit_Type	0004	RL		
A1	761	Reporting_Limit_Type	0004	RL		
A1	762	Reporting_Limit_Type	0004	RL		
A1	763	Reporting_Limit_Type	0004	RL		
A1	764	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	765	Reporting_Limit_Type	0004	RL		
A1	766	Reporting_Limit_Type	0004	RL		
A1	767	Reporting_Limit_Type	0004	RL		
A1	768	Reporting_Limit_Type	0004	RL		
A1	769	Reporting_Limit_Type	0004	RL		
A1	770	Reporting_Limit_Type	0004	RL		
A1	771	Reporting_Limit_Type	0004	RL		
A1	772	Reporting_Limit_Type	0004	RL		
A1	773	Reporting_Limit_Type	0004	RL		
A1	774	Reporting_Limit_Type	0004	RL		
A1	775	Reporting_Limit_Type	0004	RL		
A1	776	Reporting_Limit_Type	0004	RL		
A1	777	Reporting_Limit_Type	0004	RL		
A1	778	Reporting_Limit_Type	0004	RL		
A1	779	Reporting_Limit_Type	0004	RL		
A1	780	Reporting_Limit_Type	0004	RL		
A1	781	Reporting_Limit_Type	0004	RL		
A1	782	Reporting_Limit_Type	0004	RL		
A1	783	Reporting_Limit_Type	0004	RL		
A1	784	Reporting_Limit_Type	0004	RL		
A1	785	Reporting_Limit_Type	0004	RL		
A1	786	Reporting_Limit_Type	0004	RL		
A1	787	Reporting_Limit_Type	0004	RL		
A1	788	Reporting_Limit_Type	0004	RL		
A1	789	Reporting_Limit_Type	0004	RL		
A1	790	Reporting_Limit_Type	0004	RL		
A1	791	Reporting_Limit_Type	0004	RL		
A1	792	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	793	Reporting_Limit_Type	0004	RL		
A1	794	Reporting_Limit_Type	0004	RL		
A1	795	Reporting_Limit_Type	0004	RL		
A1	796	Reporting_Limit_Type	0004	RL		
A1	797	Reporting_Limit_Type	0004	RL		
A1	798	Reporting_Limit_Type	0004	RL		
A1	799	Reporting_Limit_Type	0004	RL		
A1	800	Reporting_Limit_Type	0004	RL		
A1	801	Reporting_Limit_Type	0004	RL		
A1	802	Reporting_Limit_Type	0004	RL		
A1	803	Reporting_Limit_Type	0004	RL		
A1	804	Reporting_Limit_Type	0004	RL		
A1	805	Reporting_Limit_Type	0004	RL		
A1	806	Reporting_Limit_Type	0004	RL		
A1	807	Reporting_Limit_Type	0004	RL		
A1	808	Reporting_Limit_Type	0004	RL		
A1	809	Reporting_Limit_Type	0004	RL		
A1	810	Reporting_Limit_Type	0004	RL		
A1	811	Reporting_Limit_Type	0004	RL		
A1	812	Reporting_Limit_Type	0004	RL		
A1	813	Reporting_Limit_Type	0004	RL		
A1	814	Reporting_Limit_Type	0004	RL		
A1	815	Reporting_Limit_Type	0004	RL		
A1	816	Reporting_Limit_Type	0004	RL		
A1	817	Reporting_Limit_Type	0004	RL		
A1	818	Reporting_Limit_Type	0004	RL		
A1	819	Reporting_Limit_Type	0004	RL		
A1	820	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	821	Reporting_Limit_Type	0004	RL		
A1	822	Reporting_Limit_Type	0004	RL		
A1	823	Reporting_Limit_Type	0004	RL		
A1	824	Reporting_Limit_Type	0004	RL		
A1	825	Reporting_Limit_Type	0004	RL		
A1	826	Reporting_Limit_Type	0004	RL		
A1	827	Reporting_Limit_Type	0004	RL		
A1	828	Reporting_Limit_Type	0004	RL		
A1	829	Reporting_Limit_Type	0004	RL		
A1	830	Reporting_Limit_Type	0004	RL		
A1	831	Reporting_Limit_Type	0004	RL		
A1	832	Reporting_Limit_Type	0004	RL		
A1	833	Reporting_Limit_Type	0004	RL		
A1	834	Reporting_Limit_Type	0004	RL		
A1	835	Reporting_Limit_Type	0004	RL		
A1	836	Reporting_Limit_Type	0004	RL		
A1	837	Reporting_Limit_Type	0004	RL		
A1	838	Reporting_Limit_Type	0004	RL		
A1	839	Reporting_Limit_Type	0004	RL		
A1	840	Reporting_Limit_Type	0004	RL		
A1	841	Reporting_Limit_Type	0004	RL		
A1	842	Reporting_Limit_Type	0004	RL		
A1	843	Reporting_Limit_Type	0004	RL		
A1	844	Reporting_Limit_Type	0004	RL		
A1	845	Reporting_Limit_Type	0004	RL		
A1	846	Reporting_Limit_Type	0004	RL		
A1	847	Reporting_Limit_Type	0004	RL		
A1	848	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	849	Reporting_Limit_Type	0004 RL		
A1	850	Reporting_Limit_Type	0004 RL		
A1	851	Reporting_Limit_Type	0004 RL		
A1	852	Reporting_Limit_Type	0004 RL		
A1	853	Reporting_Limit_Type	0004 RL		
A1	854	Reporting_Limit_Type	0004 RL		
A1	855	Reporting_Limit_Type	0004 RL		
A1	856	Reporting_Limit_Type	0004 RL		
A1	857	Reporting_Limit_Type	0004 RL		
A1	858	Reporting_Limit_Type	0004 RL		
A1	859	Reporting_Limit_Type	0004 RL		
A1	860	Reporting_Limit_Type	0004 RL		
A1	861	Reporting_Limit_Type	0004 RL		
A1	862	Reporting_Limit_Type	0004 RL		
A1	863	Reporting_Limit_Type	0004 RL		
A1	864	Reporting_Limit_Type	0004 RL		
A1	865	Reporting_Limit_Type	0004 RL		
A1	866	Reporting_Limit_Type	0004 RL		
A1	867	Reporting_Limit_Type	0004 RL		
A1	868	Reporting_Limit_Type	0004 RL		
A1	869	Reporting_Limit_Type	0004 RL		
A1	870	Reporting_Limit_Type	0004 RL		
A1	871	Reporting_Limit_Type	0004 RL		
A1	872	Reporting_Limit_Type	0004 RL		
A1	873	Reporting_Limit_Type	0004 RL		
A1	874	Reporting_Limit_Type	0004 RL		
A1	875	Reporting_Limit_Type	0004 RL		
A1	876	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	877	Reporting_Limit_Type	0004	RL		
A1	878	Reporting_Limit_Type	0004	RL		
A1	879	Reporting_Limit_Type	0004	RL		
A1	880	Reporting_Limit_Type	0004	RL		
A1	881	Reporting_Limit_Type	0004	RL		
A1	882	Reporting_Limit_Type	0004	RL		
A1	883	Reporting_Limit_Type	0004	RL		
A1	884	Reporting_Limit_Type	0004	RL		
A1	885	Reporting_Limit_Type	0004	RL		
A1	886	Reporting_Limit_Type	0004	RL		
A1	887	Reporting_Limit_Type	0004	RL		
A1	888	Reporting_Limit_Type	0004	RL		
A1	889	Reporting_Limit_Type	0004	RL		
A1	890	Reporting_Limit_Type	0004	RL		
A1	891	Reporting_Limit_Type	0004	RL		
A1	892	Reporting_Limit_Type	0004	RL		
A1	893	Reporting_Limit_Type	0004	RL		
A1	894	Reporting_Limit_Type	0004	RL		
A1	895	Reporting_Limit_Type	0004	RL		
A1	896	Reporting_Limit_Type	0004	RL		
A1	897	Reporting_Limit_Type	0004	RL		
A1	898	Reporting_Limit_Type	0004	RL		
A1	899	Reporting_Limit_Type	0004	RL		
A1	900	Reporting_Limit_Type	0004	RL		
A1	901	Reporting_Limit_Type	0004	RL		
A1	902	Reporting_Limit_Type	0004	RL		
A1	903	Reporting_Limit_Type	0004	RL		
A1	904	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	905	Reporting_Limit_Type	0004	RL		
A1	906	Reporting_Limit_Type	0004	RL		
A1	907	Reporting_Limit_Type	0004	RL		
A1	908	Reporting_Limit_Type	0004	RL		
A1	909	Reporting_Limit_Type	0004	RL		
A1	910	Reporting_Limit_Type	0004	RL		
A1	911	Reporting_Limit_Type	0004	RL		
A1	912	Reporting_Limit_Type	0004	RL		
A1	913	Reporting_Limit_Type	0004	RL		
A1	914	Reporting_Limit_Type	0004	RL		
A1	915	Reporting_Limit_Type	0004	RL		
A1	916	Reporting_Limit_Type	0004	RL		
A1	917	Reporting_Limit_Type	0004	RL		
A1	918	Reporting_Limit_Type	0004	RL		
A1	919	Reporting_Limit_Type	0004	RL		
A1	920	Reporting_Limit_Type	0004	RL		
A1	921	Reporting_Limit_Type	0004	RL		
A1	922	Reporting_Limit_Type	0004	RL		
A1	923	Reporting_Limit_Type	0004	RL		
A1	924	Reporting_Limit_Type	0004	RL		
A1	925	Reporting_Limit_Type	0004	RL		
A1	926	Reporting_Limit_Type	0004	RL		
A1	927	Reporting_Limit_Type	0004	RL		
A1	928	Reporting_Limit_Type	0004	RL		
A1	929	Reporting_Limit_Type	0004	RL		
A1	930	Reporting_Limit_Type	0004	RL		
A1	931	Reporting_Limit_Type	0004	RL		
A1	932	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	933	Reporting_Limit_Type	0004	RL		
A1	934	Reporting_Limit_Type	0004	RL		
A1	935	Reporting_Limit_Type	0004	RL		
A1	936	Reporting_Limit_Type	0004	RL		
A1	937	Reporting_Limit_Type	0004	RL		
A1	938	Reporting_Limit_Type	0004	RL		
A1	939	Reporting_Limit_Type	0004	RL		
A1	940	Reporting_Limit_Type	0004	RL		
A1	941	Reporting_Limit_Type	0004	RL		
A1	942	Reporting_Limit_Type	0004	RL		
A1	943	Reporting_Limit_Type	0004	RL		
A1	944	Reporting_Limit_Type	0004	RL		
A1	945	Reporting_Limit_Type	0004	RL		
A1	946	Reporting_Limit_Type	0004	RL		
A1	947	Reporting_Limit_Type	0004	RL		
A1	948	Reporting_Limit_Type	0004	RL		
A1	949	Reporting_Limit_Type	0004	RL		
A1	950	Reporting_Limit_Type	0004	RL		
A1	951	Reporting_Limit_Type	0004	RL		
A1	952	Reporting_Limit_Type	0004	RL		
A1	953	Reporting_Limit_Type	0004	RL		
A1	954	Reporting_Limit_Type	0004	RL		
A1	955	Reporting_Limit_Type	0004	RL		
A1	956	Reporting_Limit_Type	0004	RL		
A1	957	Reporting_Limit_Type	0004	RL		
A1	958	Reporting_Limit_Type	0004	RL		
A1	959	Reporting_Limit_Type	0004	RL		
A1	960	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	961	Reporting_Limit_Type	0004 RL		
A1	962	Reporting_Limit_Type	0004 RL		
A1	963	Reporting_Limit_Type	0004 RL		
A1	964	Reporting_Limit_Type	0004 RL		
A1	965	Reporting_Limit_Type	0004 RL		
A1	966	Reporting_Limit_Type	0004 RL		
A1	967	Reporting_Limit_Type	0004 RL		
A1	968	Reporting_Limit_Type	0004 RL		
A1	969	Reporting_Limit_Type	0004 RL		
A1	970	Reporting_Limit_Type	0004 RL		
A1	971	Reporting_Limit_Type	0004 RL		
A1	972	Reporting_Limit_Type	0004 RL		
A1	973	Reporting_Limit_Type	0004 RL		
A1	974	Reporting_Limit_Type	0004 RL		
A1	975	Reporting_Limit_Type	0004 RL		
A1	976	Reporting_Limit_Type	0004 RL		
A1	977	Reporting_Limit_Type	0004 RL		
A1	978	Reporting_Limit_Type	0004 RL		
A1	979	Reporting_Limit_Type	0004 RL		
A1	980	Reporting_Limit_Type	0004 RL		
A1	981	Reporting_Limit_Type	0004 RL		
A1	982	Reporting_Limit_Type	0004 RL		
A1	983	Reporting_Limit_Type	0004 RL		
A1	984	Reporting_Limit_Type	0004 RL		
A1	985	Reporting_Limit_Type	0004 RL		
A1	986	Reporting_Limit_Type	0004 RL		
A1	987	Reporting_Limit_Type	0004 RL		
A1	988	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	989	Reporting_Limit_Type	0004	RL		
A1	990	Reporting_Limit_Type	0004	RL		
A1	991	Reporting_Limit_Type	0004	RL		
A1	992	Reporting_Limit_Type	0004	RL		
A1	993	Reporting_Limit_Type	0004	RL		
A1	994	Reporting_Limit_Type	0004	RL		
A1	995	Reporting_Limit_Type	0004	RL		
A1	996	Reporting_Limit_Type	0004	RL		
A1	997	Reporting_Limit_Type	0004	RL		
A1	998	Reporting_Limit_Type	0004	RL		
A1	999	Reporting_Limit_Type	0004	RL		
A1	1000	Reporting_Limit_Type	0004	RL		
A1	1001	Reporting_Limit_Type	0004	RL		
A1	1002	Reporting_Limit_Type	0004	RL		
A1	1003	Reporting_Limit_Type	0004	RL		
A1	1004	Reporting_Limit_Type	0004	RL		
A1	1005	Reporting_Limit_Type	0004	RL		
A1	1006	Reporting_Limit_Type	0004	RL		
A1	1007	Reporting_Limit_Type	0004	RL		
A1	1008	Reporting_Limit_Type	0004	RL		
A1	1009	Reporting_Limit_Type	0004	RL		
A1	1010	Reporting_Limit_Type	0004	RL		
A1	1011	Reporting_Limit_Type	0004	RL		
A1	1012	Reporting_Limit_Type	0004	RL		
A1	1013	Reporting_Limit_Type	0004	RL		
A1	1014	Reporting_Limit_Type	0004	RL		
A1	1015	Reporting_Limit_Type	0004	RL		
A1	1016	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1017	Reporting_Limit_Type	0004 RL		
A1	1018	Reporting_Limit_Type	0004 RL		
A1	1019	Reporting_Limit_Type	0004 RL		
A1	1020	Reporting_Limit_Type	0004 RL		
A1	1021	Reporting_Limit_Type	0004 RL		
A1	1022	Reporting_Limit_Type	0004 RL		
A1	1023	Reporting_Limit_Type	0004 RL		
A1	1024	Reporting_Limit_Type	0004 RL		
A1	1025	Reporting_Limit_Type	0004 RL		
A1	1026	Reporting_Limit_Type	0004 RL		
A1	1027	Reporting_Limit_Type	0004 RL		
A1	1028	Reporting_Limit_Type	0004 RL		
A1	1029	Reporting_Limit_Type	0004 RL		
A1	1030	Reporting_Limit_Type	0004 RL		
A1	1031	Reporting_Limit_Type	0004 RL		
A1	1032	Reporting_Limit_Type	0004 RL		
A1	1033	Reporting_Limit_Type	0004 RL		
A1	1034	Reporting_Limit_Type	0004 RL		
A1	1035	Reporting_Limit_Type	0004 RL		
A1	1036	Reporting_Limit_Type	0004 RL		
A1	1037	Reporting_Limit_Type	0004 RL		
A1	1038	Reporting_Limit_Type	0004 RL		
A1	1039	Reporting_Limit_Type	0004 RL		
A1	1040	Reporting_Limit_Type	0004 RL		
A1	1041	Reporting_Limit_Type	0004 RL		
A1	1042	Reporting_Limit_Type	0004 RL		
A1	1043	Reporting_Limit_Type	0004 RL		
A1	1044	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1045	Reporting_Limit_Type	0004	RL		
A1	1046	Reporting_Limit_Type	0004	RL		
A1	1047	Reporting_Limit_Type	0004	RL		
A1	1048	Reporting_Limit_Type	0004	RL		
A1	1049	Reporting_Limit_Type	0004	RL		
A1	1050	Reporting_Limit_Type	0004	RL		
A1	1051	Reporting_Limit_Type	0004	RL		
A1	1052	Reporting_Limit_Type	0004	RL		
A1	1053	Reporting_Limit_Type	0004	RL		
A1	1054	Reporting_Limit_Type	0004	RL		
A1	1055	Reporting_Limit_Type	0004	RL		
A1	1056	Reporting_Limit_Type	0004	RL		
A1	1057	Reporting_Limit_Type	0004	RL		
A1	1058	Reporting_Limit_Type	0004	RL		
A1	1059	Reporting_Limit_Type	0004	RL		
A1	1060	Reporting_Limit_Type	0004	RL		
A1	1061	Reporting_Limit_Type	0004	RL		
A1	1062	Reporting_Limit_Type	0004	RL		
A1	1063	Reporting_Limit_Type	0004	RL		
A1	1064	Reporting_Limit_Type	0004	RL		
A1	1065	Reporting_Limit_Type	0004	RL		
A1	1066	Reporting_Limit_Type	0004	RL		
A1	1067	Reporting_Limit_Type	0004	RL		
A1	1068	Reporting_Limit_Type	0004	RL		
A1	1069	Reporting_Limit_Type	0004	RL		
A1	1070	Reporting_Limit_Type	0004	RL		
A1	1071	Reporting_Limit_Type	0004	RL		
A1	1072	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1073	Reporting_Limit_Type	0004	RL		
A1	1074	Reporting_Limit_Type	0004	RL		
A1	1075	Reporting_Limit_Type	0004	RL		
A1	1076	Reporting_Limit_Type	0004	RL		
A1	1077	Reporting_Limit_Type	0004	RL		
A1	1078	Reporting_Limit_Type	0004	RL		
A1	1079	Reporting_Limit_Type	0004	RL		
A1	1080	Reporting_Limit_Type	0004	RL		
A1	1081	Reporting_Limit_Type	0004	RL		
A1	1082	Reporting_Limit_Type	0004	RL		
A1	1083	Reporting_Limit_Type	0004	RL		
A1	1084	Reporting_Limit_Type	0004	RL		
A1	1085	Reporting_Limit_Type	0004	RL		
A1	1086	Reporting_Limit_Type	0004	RL		
A1	1087	Reporting_Limit_Type	0004	RL		
A1	1088	Reporting_Limit_Type	0004	RL		
A1	1089	Reporting_Limit_Type	0004	RL		
A1	1090	Reporting_Limit_Type	0004	RL		
A1	1091	Reporting_Limit_Type	0004	RL		
A1	1092	Reporting_Limit_Type	0004	RL		
A1	1093	Reporting_Limit_Type	0004	RL		
A1	1094	Reporting_Limit_Type	0004	RL		
A1	1095	Reporting_Limit_Type	0004	RL		
A1	1096	Reporting_Limit_Type	0004	RL		
A1	1097	Reporting_Limit_Type	0004	RL		
A1	1098	Reporting_Limit_Type	0004	RL		
A1	1099	Reporting_Limit_Type	0004	RL		
A1	1100	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1101	Reporting_Limit_Type	0004	RL		
A1	1102	Reporting_Limit_Type	0004	RL		
A1	1103	Reporting_Limit_Type	0004	RL		
A1	1104	Reporting_Limit_Type	0004	RL		
A1	1105	Reporting_Limit_Type	0004	RL		
A1	1106	Reporting_Limit_Type	0004	RL		
A1	1107	Reporting_Limit_Type	0004	RL		
A1	1108	Reporting_Limit_Type	0004	RL		
A1	1109	Reporting_Limit_Type	0004	RL		
A1	1110	Reporting_Limit_Type	0004	RL		
A1	1111	Reporting_Limit_Type	0004	RL		
A1	1112	Reporting_Limit_Type	0004	RL		
A1	1113	Reporting_Limit_Type	0004	RL		
A1	1114	Reporting_Limit_Type	0004	RL		
A1	1115	Reporting_Limit_Type	0004	RL		
A1	1116	Reporting_Limit_Type	0004	RL		
A1	1117	Reporting_Limit_Type	0004	RL		
A1	1118	Reporting_Limit_Type	0004	RL		
A1	1119	Reporting_Limit_Type	0004	RL		
A1	1120	Reporting_Limit_Type	0004	RL		
A1	1121	Reporting_Limit_Type	0004	RL		
A1	1122	Reporting_Limit_Type	0004	RL		
A1	1123	Reporting_Limit_Type	0004	RL		
A1	1124	Reporting_Limit_Type	0004	RL		
A1	1125	Reporting_Limit_Type	0004	RL		
A1	1126	Reporting_Limit_Type	0004	RL		
A1	1127	Reporting_Limit_Type	0004	RL		
A1	1128	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1129	Reporting_Limit_Type	0004	RL		
A1	1130	Reporting_Limit_Type	0004	RL		
A1	1131	Reporting_Limit_Type	0004	RL		
A1	1132	Reporting_Limit_Type	0004	RL		
A1	1133	Reporting_Limit_Type	0004	RL		
A1	1134	Reporting_Limit_Type	0004	RL		
A1	1135	Reporting_Limit_Type	0004	RL		
A1	1136	Reporting_Limit_Type	0004	RL		
A1	1137	Reporting_Limit_Type	0004	RL		
A1	1138	Reporting_Limit_Type	0004	RL		
A1	1139	Reporting_Limit_Type	0004	RL		
A1	1140	Reporting_Limit_Type	0004	RL		
A1	1141	Reporting_Limit_Type	0004	RL		
A1	1142	Reporting_Limit_Type	0004	RL		
A1	1143	Reporting_Limit_Type	0004	RL		
A1	1144	Reporting_Limit_Type	0004	RL		
A1	1145	Reporting_Limit_Type	0004	RL		
A1	1146	Reporting_Limit_Type	0004	RL		
A1	1147	Reporting_Limit_Type	0004	RL		
A1	1148	Reporting_Limit_Type	0004	RL		
A1	1149	Reporting_Limit_Type	0004	RL		
A1	1150	Reporting_Limit_Type	0004	RL		
A1	1151	Reporting_Limit_Type	0004	RL		
A1	1152	Reporting_Limit_Type	0004	RL		
A1	1153	Reporting_Limit_Type	0004	RL		
A1	1154	Reporting_Limit_Type	0004	RL		
A1	1155	Reporting_Limit_Type	0004	RL		
A1	1156	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1157	Reporting_Limit_Type	0004 RL		
A1	1158	Reporting_Limit_Type	0004 RL		
A1	1159	Reporting_Limit_Type	0004 RL		
A1	1160	Reporting_Limit_Type	0004 RL		
A1	1161	Reporting_Limit_Type	0004 RL		
A1	1162	Reporting_Limit_Type	0004 RL		
A1	1163	Reporting_Limit_Type	0004 RL		
A1	1164	Reporting_Limit_Type	0004 RL		
A1	1165	Reporting_Limit_Type	0004 RL		
A1	1166	Reporting_Limit_Type	0004 RL		
A1	1167	Reporting_Limit_Type	0004 RL		
A1	1168	Reporting_Limit_Type	0004 RL		
A1	1169	Reporting_Limit_Type	0004 RL		
A1	1170	Reporting_Limit_Type	0004 RL		
A1	1171	Reporting_Limit_Type	0004 RL		
A1	1172	Reporting_Limit_Type	0004 RL		
A1	1173	Reporting_Limit_Type	0004 RL		
A1	1174	Reporting_Limit_Type	0004 RL		
A1	1175	Reporting_Limit_Type	0004 RL		
A1	1176	Reporting_Limit_Type	0004 RL		
A1	1177	Reporting_Limit_Type	0004 RL		
A1	1178	Reporting_Limit_Type	0004 RL		
A1	1179	Reporting_Limit_Type	0004 RL		
A1	1180	Reporting_Limit_Type	0004 RL		
A1	1181	Reporting_Limit_Type	0004 RL		
A1	1182	Reporting_Limit_Type	0004 RL		
A1	1183	Reporting_Limit_Type	0004 RL		
A1	1184	Reporting_Limit_Type	0004 RL		

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Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1185	Reporting_Limit_Type	0004 RL		
A1	1186	Reporting_Limit_Type	0004 RL		
A1	1187	Reporting_Limit_Type	0004 RL		
A1	1188	Reporting_Limit_Type	0004 RL		
A1	1189	Reporting_Limit_Type	0004 RL		
A1	1190	Reporting_Limit_Type	0004 RL		
A1	1191	Reporting_Limit_Type	0004 RL		
A1	1192	Reporting_Limit_Type	0004 RL		
A1	1193	Reporting_Limit_Type	0004 RL		
A1	1194	Reporting_Limit_Type	0004 RL		
A1	1195	Reporting_Limit_Type	0004 RL		
A1	1196	Reporting_Limit_Type	0004 RL		
A1	1197	Reporting_Limit_Type	0004 RL		
A1	1198	Reporting_Limit_Type	0004 RL		
A1	1199	Reporting_Limit_Type	0004 RL		
A1	1200	Reporting_Limit_Type	0004 RL		
A1	1201	Reporting_Limit_Type	0004 RL		
A1	1202	Reporting_Limit_Type	0004 RL		
A1	1203	Reporting_Limit_Type	0004 RL		
A1	1204	Reporting_Limit_Type	0004 RL		
A1	1205	Reporting_Limit_Type	0004 RL		
A1	1206	Reporting_Limit_Type	0004 RL		
A1	1207	Reporting_Limit_Type	0004 RL		
A1	1208	Reporting_Limit_Type	0004 RL		
A1	1209	Reporting_Limit_Type	0004 RL		
A1	1210	Reporting_Limit_Type	0004 RL		
A1	1211	Reporting_Limit_Type	0004 RL		
A1	1212	Reporting_Limit_Type	0004 RL		

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Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1213	Reporting_Limit_Type	0004	RL		
A1	1214	Reporting_Limit_Type	0004	RL		
A1	1215	Reporting_Limit_Type	0004	RL		
A1	1216	Reporting_Limit_Type	0004	RL		
A1	1217	Reporting_Limit_Type	0004	RL		
A1	1218	Reporting_Limit_Type	0004	RL		
A1	1219	Reporting_Limit_Type	0004	RL		
A1	1220	Reporting_Limit_Type	0004	RL		
A1	1221	Reporting_Limit_Type	0004	RL		
A1	1222	Reporting_Limit_Type	0004	RL		
A1	1223	Reporting_Limit_Type	0004	RL		
A1	1224	Reporting_Limit_Type	0004	RL		
A1	1225	Reporting_Limit_Type	0004	RL		
A1	1226	Reporting_Limit_Type	0004	RL		
A1	1227	Reporting_Limit_Type	0004	RL		
A1	1228	Reporting_Limit_Type	0004	RL		
A1	1229	Reporting_Limit_Type	0004	RL		
A1	1230	Reporting_Limit_Type	0004	RL		
A1	1231	Reporting_Limit_Type	0004	RL		
A1	1232	Reporting_Limit_Type	0004	RL		
A1	1233	Reporting_Limit_Type	0004	RL		
A1	1234	Reporting_Limit_Type	0004	RL		
A1	1235	Reporting_Limit_Type	0004	RL		
A1	1236	Reporting_Limit_Type	0004	RL		
A1	1237	Reporting_Limit_Type	0004	RL		
A1	1238	Reporting_Limit_Type	0004	RL		
A1	1239	Reporting_Limit_Type	0004	RL		
A1	1240	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1241	Reporting_Limit_Type	0004	RL		
A1	1242	Reporting_Limit_Type	0004	RL		
A1	1243	Reporting_Limit_Type	0004	RL		
A1	1244	Reporting_Limit_Type	0004	RL		
A1	1245	Reporting_Limit_Type	0004	RL		
A1	1246	Reporting_Limit_Type	0004	RL		
A1	1247	Reporting_Limit_Type	0004	RL		
A1	1248	Reporting_Limit_Type	0004	RL		
A1	1249	Reporting_Limit_Type	0004	RL		
A1	1250	Reporting_Limit_Type	0004	RL		
A1	1251	Reporting_Limit_Type	0004	RL		
A1	1252	Reporting_Limit_Type	0004	RL		
A1	1253	Reporting_Limit_Type	0004	RL		
A1	1254	Reporting_Limit_Type	0004	RL		
A1	1255	Reporting_Limit_Type	0004	RL		
A1	1256	Reporting_Limit_Type	0004	RL		
A1	1257	Reporting_Limit_Type	0004	RL		
A1	1258	Reporting_Limit_Type	0004	RL		
A1	1259	Reporting_Limit_Type	0004	RL		
A1	1260	Reporting_Limit_Type	0004	RL		
A1	1261	Reporting_Limit_Type	0004	RL		
A1	1262	Reporting_Limit_Type	0004	RL		
A1	1263	Reporting_Limit_Type	0004	RL		
A1	1264	Reporting_Limit_Type	0004	RL		
A1	1265	Reporting_Limit_Type	0004	RL		
A1	1266	Reporting_Limit_Type	0004	RL		
A1	1267	Reporting_Limit_Type	0004	RL		
A1	1268	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1269	Reporting_Limit_Type	0004	RL		
A1	1270	Reporting_Limit_Type	0004	RL		
A1	1271	Reporting_Limit_Type	0004	RL		
A1	1272	Reporting_Limit_Type	0004	RL		
A1	1273	Reporting_Limit_Type	0004	RL		
A1	1274	Reporting_Limit_Type	0004	RL		
A1	1275	Reporting_Limit_Type	0004	RL		
A1	1276	Reporting_Limit_Type	0004	RL		
A1	1277	Reporting_Limit_Type	0004	RL		
A1	1278	Reporting_Limit_Type	0004	RL		
A1	1279	Reporting_Limit_Type	0004	RL		
A1	1280	Reporting_Limit_Type	0004	RL		
A1	1281	Reporting_Limit_Type	0004	RL		
A1	1282	Reporting_Limit_Type	0004	RL		
A1	1283	Reporting_Limit_Type	0004	RL		
A1	1284	Reporting_Limit_Type	0004	RL		
A1	1285	Reporting_Limit_Type	0004	RL		
A1	1286	Reporting_Limit_Type	0004	RL		
A1	1287	Reporting_Limit_Type	0004	RL		
A1	1288	Reporting_Limit_Type	0004	RL		
A1	1289	Reporting_Limit_Type	0004	RL		
A1	1290	Reporting_Limit_Type	0004	RL		
A1	1291	Reporting_Limit_Type	0004	RL		
A1	1292	Reporting_Limit_Type	0004	RL		
A1	1293	Reporting_Limit_Type	0004	RL		
A1	1294	Reporting_Limit_Type	0004	RL		
A1	1295	Reporting_Limit_Type	0004	RL		
A1	1296	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1297	Reporting_Limit_Type	0004	RL		
A1	1298	Reporting_Limit_Type	0004	RL		
A1	1299	Reporting_Limit_Type	0004	RL		
A1	1300	Reporting_Limit_Type	0004	RL		
A1	1301	Reporting_Limit_Type	0004	RL		
A1	1302	Reporting_Limit_Type	0004	RL		
A1	1303	Reporting_Limit_Type	0004	RL		
A1	1304	Reporting_Limit_Type	0004	RL		
A1	1305	Reporting_Limit_Type	0004	RL		
A1	1306	Reporting_Limit_Type	0004	RL		
A1	1307	Reporting_Limit_Type	0004	RL		
A1	1308	Reporting_Limit_Type	0004	RL		
A1	1309	Reporting_Limit_Type	0004	RL		
A1	1310	Reporting_Limit_Type	0004	RL		
A1	1311	Reporting_Limit_Type	0004	RL		
A1	1312	Reporting_Limit_Type	0004	RL		
A1	1313	Reporting_Limit_Type	0004	RL		
A1	1314	Reporting_Limit_Type	0004	RL		
A1	1315	Reporting_Limit_Type	0004	RL		
A1	1316	Reporting_Limit_Type	0004	RL		
A1	1317	Reporting_Limit_Type	0004	RL		
A1	1318	Reporting_Limit_Type	0004	RL		
A1	1319	Reporting_Limit_Type	0004	RL		
A1	1320	Reporting_Limit_Type	0004	RL		
A1	1321	Reporting_Limit_Type	0004	RL		
A1	1322	Reporting_Limit_Type	0004	RL		
A1	1323	Reporting_Limit_Type	0004	RL		
A1	1324	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1325	Reporting_Limit_Type	0004 RL		
A1	1326	Reporting_Limit_Type	0004 RL		
A1	1327	Reporting_Limit_Type	0004 RL		
A1	1328	Reporting_Limit_Type	0004 RL		
A1	1329	Reporting_Limit_Type	0004 RL		
A1	1330	Reporting_Limit_Type	0004 RL		
A1	1331	Reporting_Limit_Type	0004 RL		
A1	1332	Reporting_Limit_Type	0004 RL		
A1	1333	Reporting_Limit_Type	0004 RL		
A1	1334	Reporting_Limit_Type	0004 RL		
A1	1335	Reporting_Limit_Type	0004 RL		
A1	1336	Reporting_Limit_Type	0004 RL		
A1	1337	Reporting_Limit_Type	0004 RL		
A1	1338	Reporting_Limit_Type	0004 RL		
A1	1339	Reporting_Limit_Type	0004 RL		
A1	1340	Reporting_Limit_Type	0004 RL		
A1	1341	Reporting_Limit_Type	0004 RL		
A1	1342	Reporting_Limit_Type	0004 RL		
A1	1343	Reporting_Limit_Type	0004 RL		
A1	1344	Reporting_Limit_Type	0004 RL		
A1	1345	Reporting_Limit_Type	0004 RL		
A1	1346	Reporting_Limit_Type	0004 RL		
A1	1347	Reporting_Limit_Type	0004 RL		
A1	1348	Reporting_Limit_Type	0004 RL		
A1	1349	Reporting_Limit_Type	0004 RL		
A1	1350	Reporting_Limit_Type	0004 RL		
A1	1351	Reporting_Limit_Type	0004 RL		
A1	1352	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1353	Reporting_Limit_Type	0004	RL		
A1	1354	Reporting_Limit_Type	0004	RL		
A1	1355	Reporting_Limit_Type	0004	RL		
A1	1356	Reporting_Limit_Type	0004	RL		
A1	1357	Reporting_Limit_Type	0004	RL		
A1	1358	Reporting_Limit_Type	0004	RL		
A1	1359	Reporting_Limit_Type	0004	RL		
A1	1360	Reporting_Limit_Type	0004	RL		
A1	1361	Reporting_Limit_Type	0004	RL		
A1	1362	Reporting_Limit_Type	0004	RL		
A1	1363	Reporting_Limit_Type	0004	RL		
A1	1364	Reporting_Limit_Type	0004	RL		
A1	1365	Reporting_Limit_Type	0004	RL		
A1	1366	Reporting_Limit_Type	0004	RL		
A1	1367	Reporting_Limit_Type	0004	RL		
A1	1368	Reporting_Limit_Type	0004	RL		
A1	1369	Reporting_Limit_Type	0004	RL		
A1	1370	Reporting_Limit_Type	0004	RL		
A1	1371	Reporting_Limit_Type	0004	RL		
A1	1372	Reporting_Limit_Type	0004	RL		
A1	1373	Reporting_Limit_Type	0004	RL		
A1	1374	Reporting_Limit_Type	0004	RL		
A1	1375	Reporting_Limit_Type	0004	RL		
A1	1376	Reporting_Limit_Type	0004	RL		
A1	1377	Reporting_Limit_Type	0004	RL		
A1	1378	Reporting_Limit_Type	0004	RL		
A1	1379	Reporting_Limit_Type	0004	RL		
A1	1380	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1381	Reporting_Limit_Type	0004	RL		
A1	1382	Reporting_Limit_Type	0004	RL		
A1	1383	Reporting_Limit_Type	0004	RL		
A1	1384	Reporting_Limit_Type	0004	RL		
A1	1385	Reporting_Limit_Type	0004	RL		
A1	1386	Reporting_Limit_Type	0004	RL		
A1	1387	Reporting_Limit_Type	0004	RL		
A1	1388	Reporting_Limit_Type	0004	RL		
A1	1389	Reporting_Limit_Type	0004	RL		
A1	1390	Reporting_Limit_Type	0004	RL		
A1	1391	Reporting_Limit_Type	0004	RL		
A1	1392	Reporting_Limit_Type	0004	RL		
A1	1393	Reporting_Limit_Type	0004	RL		
A1	1394	Reporting_Limit_Type	0004	RL		
A1	1395	Reporting_Limit_Type	0004	RL		
A1	1396	Reporting_Limit_Type	0004	RL		
A1	1397	Reporting_Limit_Type	0004	RL		
A1	1398	Reporting_Limit_Type	0004	RL		
A1	1399	Reporting_Limit_Type	0004	RL		
A1	1400	Reporting_Limit_Type	0004	RL		
A1	1401	Reporting_Limit_Type	0004	RL		
A1	1402	Reporting_Limit_Type	0004	RL		
A1	1403	Reporting_Limit_Type	0004	RL		
A1	1404	Reporting_Limit_Type	0004	RL		
A1	1405	Reporting_Limit_Type	0004	RL		
A1	1406	Reporting_Limit_Type	0004	RL		
A1	1407	Reporting_Limit_Type	0004	RL		
A1	1408	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1409	Reporting_Limit_Type	0004	RL		
A1	1410	Reporting_Limit_Type	0004	RL		
A1	1411	Reporting_Limit_Type	0004	RL		
A1	1412	Reporting_Limit_Type	0004	RL		
A1	1413	Reporting_Limit_Type	0004	RL		
A1	1414	Reporting_Limit_Type	0004	RL		
A1	1415	Reporting_Limit_Type	0004	RL		
A1	1416	Reporting_Limit_Type	0004	RL		
A1	1417	Reporting_Limit_Type	0004	RL		
A1	1418	Reporting_Limit_Type	0004	RL		
A1	1419	Reporting_Limit_Type	0004	RL		
A1	1420	Reporting_Limit_Type	0004	RL		
A1	1421	Reporting_Limit_Type	0004	RL		
A1	1422	Reporting_Limit_Type	0004	RL		
A1	1423	Reporting_Limit_Type	0004	RL		
A1	1424	Reporting_Limit_Type	0004	RL		
A1	1425	Reporting_Limit_Type	0004	RL		
A1	1426	Reporting_Limit_Type	0004	RL		
A1	1427	Reporting_Limit_Type	0004	RL		
A1	1428	Reporting_Limit_Type	0004	RL		
A1	1429	Reporting_Limit_Type	0004	RL		
A1	1430	Reporting_Limit_Type	0004	RL		
A1	1431	Reporting_Limit_Type	0004	RL		
A1	1432	Reporting_Limit_Type	0004	RL		
A1	1433	Reporting_Limit_Type	0004	RL		
A1	1434	Reporting_Limit_Type	0004	RL		
A1	1435	Reporting_Limit_Type	0004	RL		
A1	1436	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1437	Reporting_Limit_Type	0004	RL		
A1	1438	Reporting_Limit_Type	0004	RL		
A1	1439	Reporting_Limit_Type	0004	RL		
A1	1440	Reporting_Limit_Type	0004	RL		
A1	1441	Reporting_Limit_Type	0004	RL		
A1	1442	Reporting_Limit_Type	0004	RL		
A1	1443	Reporting_Limit_Type	0004	RL		
A1	1444	Reporting_Limit_Type	0004	RL		
A1	1445	Reporting_Limit_Type	0004	RL		
A1	1446	Reporting_Limit_Type	0004	RL		
A1	1447	Reporting_Limit_Type	0004	RL		
A1	1448	Reporting_Limit_Type	0004	RL		
A1	1449	Reporting_Limit_Type	0004	RL		
A1	1450	Reporting_Limit_Type	0004	RL		
A1	1451	Reporting_Limit_Type	0004	RL		
A1	1452	Reporting_Limit_Type	0004	RL		
A1	1453	Reporting_Limit_Type	0004	RL		
A1	1454	Reporting_Limit_Type	0004	RL		
A1	1455	Reporting_Limit_Type	0004	RL		
A1	1456	Reporting_Limit_Type	0004	RL		
A1	1457	Reporting_Limit_Type	0004	RL		
A1	1458	Reporting_Limit_Type	0004	RL		
A1	1459	Reporting_Limit_Type	0004	RL		
A1	1460	Reporting_Limit_Type	0004	RL		
A1	1461	Reporting_Limit_Type	0004	RL		
A1	1462	Reporting_Limit_Type	0004	RL		
A1	1463	Reporting_Limit_Type	0004	RL		
A1	1464	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1465	Reporting_Limit_Type	0004 RL		
A1	1466	Reporting_Limit_Type	0004 RL		
A1	1467	Reporting_Limit_Type	0004 RL		
A1	1468	Reporting_Limit_Type	0004 RL		
A1	1469	Reporting_Limit_Type	0004 RL		
A1	1470	Reporting_Limit_Type	0004 RL		
A1	1471	Reporting_Limit_Type	0004 RL		
A1	1472	Reporting_Limit_Type	0004 RL		
A1	1473	Reporting_Limit_Type	0004 RL		
A1	1474	Reporting_Limit_Type	0004 RL		
A1	1475	Reporting_Limit_Type	0004 RL		
A1	1476	Reporting_Limit_Type	0004 RL		
A1	1477	Reporting_Limit_Type	0004 RL		
A1	1478	Reporting_Limit_Type	0004 RL		
A1	1479	Reporting_Limit_Type	0004 RL		
A1	1480	Reporting_Limit_Type	0004 RL		
A1	1481	Reporting_Limit_Type	0004 RL		
A1	1482	Reporting_Limit_Type	0004 RL		
A1	1483	Reporting_Limit_Type	0004 RL		
A1	1484	Reporting_Limit_Type	0004 RL		
A1	1485	Reporting_Limit_Type	0004 RL		
A1	1486	Reporting_Limit_Type	0004 RL		
A1	1487	Reporting_Limit_Type	0004 RL		
A1	1488	Reporting_Limit_Type	0004 RL		
A1	1489	Reporting_Limit_Type	0004 RL		
A1	1490	Reporting_Limit_Type	0004 RL		
A1	1491	Reporting_Limit_Type	0004 RL		
A1	1492	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1493	Reporting_Limit_Type	0004	RL		
A1	1494	Reporting_Limit_Type	0004	RL		
A1	1495	Reporting_Limit_Type	0004	RL		
A1	1496	Reporting_Limit_Type	0004	RL		
A1	1497	Reporting_Limit_Type	0004	RL		
A1	1498	Reporting_Limit_Type	0004	RL		
A1	1499	Reporting_Limit_Type	0004	RL		
A1	1500	Reporting_Limit_Type	0004	RL		
A1	1501	Reporting_Limit_Type	0004	RL		
A1	1502	Reporting_Limit_Type	0004	RL		
A1	1503	Reporting_Limit_Type	0004	RL		
A1	1504	Reporting_Limit_Type	0004	RL		
A1	1505	Reporting_Limit_Type	0004	RL		
A1	1506	Reporting_Limit_Type	0004	RL		
A1	1507	Reporting_Limit_Type	0004	RL		
A1	1508	Reporting_Limit_Type	0004	RL		
A1	1509	Reporting_Limit_Type	0004	RL		
A1	1510	Reporting_Limit_Type	0004	RL		
A1	1511	Reporting_Limit_Type	0004	RL		
A1	1512	Reporting_Limit_Type	0004	RL		
A1	1513	Reporting_Limit_Type	0004	RL		
A1	1514	Reporting_Limit_Type	0004	RL		
A1	1515	Reporting_Limit_Type	0004	RL		
A1	1516	Reporting_Limit_Type	0004	RL		
A1	1517	Reporting_Limit_Type	0004	RL		
A1	1518	Reporting_Limit_Type	0004	RL		
A1	1519	Reporting_Limit_Type	0004	RL		
A1	1520	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1521	Reporting_Limit_Type	0004	RL		
A1	1522	Reporting_Limit_Type	0004	RL		
A1	1523	Reporting_Limit_Type	0004	RL		
A1	1524	Reporting_Limit_Type	0004	RL		
A1	1525	Reporting_Limit_Type	0004	RL		
A1	1526	Reporting_Limit_Type	0004	RL		
A1	1527	Reporting_Limit_Type	0004	RL		
A1	1528	Reporting_Limit_Type	0004	RL		
A1	1529	Reporting_Limit_Type	0004	RL		
A1	1530	Reporting_Limit_Type	0004	RL		
A1	1531	Reporting_Limit_Type	0004	RL		
A1	1532	Reporting_Limit_Type	0004	RL		
A1	1533	Reporting_Limit_Type	0004	RL		
A1	1534	Reporting_Limit_Type	0004	RL		
A1	1535	Reporting_Limit_Type	0004	RL		
A1	1536	Reporting_Limit_Type	0004	RL		
A1	1537	Reporting_Limit_Type	0004	RL		
A1	1538	Reporting_Limit_Type	0004	RL		
A1	1539	Reporting_Limit_Type	0004	RL		
A1	1540	Reporting_Limit_Type	0004	RL		
A1	1541	Reporting_Limit_Type	0004	RL		
A1	1542	Reporting_Limit_Type	0004	RL		
A1	1543	Reporting_Limit_Type	0004	RL		
A1	1544	Reporting_Limit_Type	0004	RL		
A1	1545	Reporting_Limit_Type	0004	RL		
A1	1546	Reporting_Limit_Type	0004	RL		
A1	1547	Reporting_Limit_Type	0004	RL		
A1	1548	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1549	Reporting_Limit_Type	0004	RL		
A1	1550	Reporting_Limit_Type	0004	RL		
A1	1551	Reporting_Limit_Type	0004	RL		
A1	1552	Reporting_Limit_Type	0004	RL		
A1	1553	Reporting_Limit_Type	0004	RL		
A1	1554	Reporting_Limit_Type	0004	RL		
A1	1555	Reporting_Limit_Type	0004	RL		
A1	1556	Reporting_Limit_Type	0004	RL		
A1	1557	Reporting_Limit_Type	0004	RL		
A1	1558	Reporting_Limit_Type	0004	RL		
A1	1559	Reporting_Limit_Type	0004	RL		
A1	1560	Reporting_Limit_Type	0004	RL		
A1	1561	Reporting_Limit_Type	0004	RL		
A1	1562	Reporting_Limit_Type	0004	RL		
A1	1563	Reporting_Limit_Type	0004	RL		
A1	1564	Reporting_Limit_Type	0004	RL		
A1	1565	Reporting_Limit_Type	0004	RL		
A1	1566	Reporting_Limit_Type	0004	RL		
A1	1567	Reporting_Limit_Type	0004	RL		
A1	1568	Reporting_Limit_Type	0004	RL		
A1	1569	Reporting_Limit_Type	0004	RL		
A1	1570	Reporting_Limit_Type	0004	RL		
A1	1571	Reporting_Limit_Type	0004	RL		
A1	1572	Reporting_Limit_Type	0004	RL		
A1	1573	Reporting_Limit_Type	0004	RL		
A1	1574	Reporting_Limit_Type	0004	RL		
A1	1575	Reporting_Limit_Type	0004	RL		
A1	1576	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1577	Reporting_Limit_Type	0004	RL		
A1	1578	Reporting_Limit_Type	0004	RL		
A1	1579	Reporting_Limit_Type	0004	RL		
A1	1580	Reporting_Limit_Type	0004	RL		
A1	1581	Reporting_Limit_Type	0004	RL		
A1	1582	Reporting_Limit_Type	0004	RL		
A1	1583	Reporting_Limit_Type	0004	RL		
A1	1584	Reporting_Limit_Type	0004	RL		
A1	1585	Reporting_Limit_Type	0004	RL		
A1	1586	Reporting_Limit_Type	0004	RL		
A1	1587	Reporting_Limit_Type	0004	RL		
A1	1588	Reporting_Limit_Type	0004	RL		
A1	1589	Reporting_Limit_Type	0004	RL		
A1	1590	Reporting_Limit_Type	0004	RL		
A1	1591	Reporting_Limit_Type	0004	RL		
A1	1592	Reporting_Limit_Type	0004	RL		
A1	1593	Reporting_Limit_Type	0004	RL		
A1	1594	Reporting_Limit_Type	0004	RL		
A1	1595	Reporting_Limit_Type	0004	RL		
A1	1596	Reporting_Limit_Type	0004	RL		
A1	1597	Reporting_Limit_Type	0004	RL		
A1	1598	Reporting_Limit_Type	0004	RL		
A1	1599	Reporting_Limit_Type	0004	RL		
A1	1600	Reporting_Limit_Type	0004	RL		
A1	1601	Reporting_Limit_Type	0004	RL		
A1	1602	Reporting_Limit_Type	0004	RL		
A1	1603	Reporting_Limit_Type	0004	RL		
A1	1604	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1605	Reporting_Limit_Type	0004	RL		
A1	1606	Reporting_Limit_Type	0004	RL		
A1	1607	Reporting_Limit_Type	0004	RL		
A1	1608	Reporting_Limit_Type	0004	RL		
A1	1609	Reporting_Limit_Type	0004	RL		
A1	1610	Reporting_Limit_Type	0004	RL		
A1	1611	Reporting_Limit_Type	0004	RL		
A1	1612	Reporting_Limit_Type	0004	RL		
A1	1613	Reporting_Limit_Type	0004	RL		
A1	1614	Reporting_Limit_Type	0004	RL		
A1	1615	Reporting_Limit_Type	0004	RL		
A1	1616	Reporting_Limit_Type	0004	RL		
A1	1617	Reporting_Limit_Type	0004	RL		
A1	1618	Reporting_Limit_Type	0004	RL		
A1	1619	Reporting_Limit_Type	0004	RL		
A1	1620	Reporting_Limit_Type	0004	RL		
A1	1621	Reporting_Limit_Type	0004	RL		
A1	1622	Reporting_Limit_Type	0004	RL		
A1	1623	Reporting_Limit_Type	0004	RL		
A1	1624	Reporting_Limit_Type	0004	RL		
A1	1625	Reporting_Limit_Type	0004	RL		
A1	1626	Reporting_Limit_Type	0004	RL		
A1	1627	Reporting_Limit_Type	0004	RL		
A1	1628	Reporting_Limit_Type	0004	RL		
A1	1629	Reporting_Limit_Type	0004	RL		
A1	1630	Reporting_Limit_Type	0004	RL		
A1	1631	Reporting_Limit_Type	0004	RL		
A1	1632	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1633	Reporting_Limit_Type	0004	RL		
A1	1634	Reporting_Limit_Type	0004	RL		
A1	1635	Reporting_Limit_Type	0004	RL		
A1	1636	Reporting_Limit_Type	0004	RL		
A1	1637	Reporting_Limit_Type	0004	RL		
A1	1638	Reporting_Limit_Type	0004	RL		
A1	1639	Reporting_Limit_Type	0004	RL		
A1	1640	Reporting_Limit_Type	0004	RL		
A1	1641	Reporting_Limit_Type	0004	RL		
A1	1642	Reporting_Limit_Type	0004	RL		
A1	1643	Reporting_Limit_Type	0004	RL		
A1	1644	Reporting_Limit_Type	0004	RL		
A1	1645	Reporting_Limit_Type	0004	RL		
A1	1646	Reporting_Limit_Type	0004	RL		
A1	1647	Reporting_Limit_Type	0004	RL		
A1	1648	Reporting_Limit_Type	0004	RL		
A1	1649	Reporting_Limit_Type	0004	RL		
A1	1650	Reporting_Limit_Type	0004	RL		
A1	1651	Reporting_Limit_Type	0004	RL		
A1	1652	Reporting_Limit_Type	0004	RL		
A1	1653	Reporting_Limit_Type	0004	RL		
A1	1654	Reporting_Limit_Type	0004	RL		
A1	1655	Reporting_Limit_Type	0004	RL		
A1	1656	Reporting_Limit_Type	0004	RL		
A1	1657	Reporting_Limit_Type	0004	RL		
A1	1658	Reporting_Limit_Type	0004	RL		
A1	1659	Reporting_Limit_Type	0004	RL		
A1	1660	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1661	Reporting_Limit_Type	0004	RL		
A1	1662	Reporting_Limit_Type	0004	RL		
A1	1663	Reporting_Limit_Type	0004	RL		
A1	1664	Reporting_Limit_Type	0004	RL		
A1	1665	Reporting_Limit_Type	0004	RL		
A1	1666	Reporting_Limit_Type	0004	RL		
A1	1667	Reporting_Limit_Type	0004	RL		
A1	1668	Reporting_Limit_Type	0004	RL		
A1	1669	Reporting_Limit_Type	0004	RL		
A1	1670	Reporting_Limit_Type	0004	RL		
A1	1671	Reporting_Limit_Type	0004	RL		
A1	1672	Reporting_Limit_Type	0004	RL		
A1	1673	Reporting_Limit_Type	0004	RL		
A1	1674	Reporting_Limit_Type	0004	RL		
A1	1675	Reporting_Limit_Type	0004	RL		
A1	1676	Reporting_Limit_Type	0004	RL		
A1	1677	Reporting_Limit_Type	0004	RL		
A1	1678	Reporting_Limit_Type	0004	RL		
A1	1679	Reporting_Limit_Type	0004	RL		
A1	1680	Reporting_Limit_Type	0004	RL		
A1	1681	Reporting_Limit_Type	0004	RL		
A1	1682	Reporting_Limit_Type	0004	RL		
A1	1683	Reporting_Limit_Type	0004	RL		
A1	1684	Reporting_Limit_Type	0004	RL		
A1	1685	Reporting_Limit_Type	0004	RL		
A1	1686	Reporting_Limit_Type	0004	RL		
A1	1687	Reporting_Limit_Type	0004	RL		
A1	1688	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1689	Reporting_Limit_Type	0004	RL		
A1	1690	Reporting_Limit_Type	0004	RL		
A1	1691	Reporting_Limit_Type	0004	RL		
A1	1692	Reporting_Limit_Type	0004	RL		
A1	1693	Reporting_Limit_Type	0004	RL		
A1	1694	Reporting_Limit_Type	0004	RL		
A1	1695	Reporting_Limit_Type	0004	RL		
A1	1696	Reporting_Limit_Type	0004	RL		
A1	1697	Reporting_Limit_Type	0004	RL		
A1	1698	Reporting_Limit_Type	0004	RL		
A1	1699	Reporting_Limit_Type	0004	RL		
A1	1700	Reporting_Limit_Type	0004	RL		
A1	1701	Reporting_Limit_Type	0004	RL		
A1	1702	Reporting_Limit_Type	0004	RL		
A1	1703	Reporting_Limit_Type	0004	RL		
A1	1704	Reporting_Limit_Type	0004	RL		
A1	1705	Reporting_Limit_Type	0004	RL		
A1	1706	Reporting_Limit_Type	0004	RL		
A1	1707	Reporting_Limit_Type	0004	RL		
A1	1708	Reporting_Limit_Type	0004	RL		
A1	1709	Reporting_Limit_Type	0004	RL		
A1	1710	Reporting_Limit_Type	0004	RL		
A1	1711	Reporting_Limit_Type	0004	RL		
A1	1712	Reporting_Limit_Type	0004	RL		
A1	1713	Reporting_Limit_Type	0004	RL		
A1	1714	Reporting_Limit_Type	0004	RL		
A1	1715	Reporting_Limit_Type	0004	RL		
A1	1716	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1717	Reporting_Limit_Type	0004	RL		
A1	1718	Reporting_Limit_Type	0004	RL		
A1	1719	Reporting_Limit_Type	0004	RL		
A1	1720	Reporting_Limit_Type	0004	RL		
A1	1721	Reporting_Limit_Type	0004	RL		
A1	1722	Reporting_Limit_Type	0004	RL		
A1	1723	Reporting_Limit_Type	0004	RL		
A1	1724	Reporting_Limit_Type	0004	RL		
A1	1725	Reporting_Limit_Type	0004	RL		
A1	1726	Reporting_Limit_Type	0004	RL		
A1	1727	Reporting_Limit_Type	0004	RL		
A1	1728	Reporting_Limit_Type	0004	RL		
A1	1729	Reporting_Limit_Type	0004	RL		
A1	1730	Reporting_Limit_Type	0004	RL		
A1	1731	Reporting_Limit_Type	0004	RL		
A1	1732	Reporting_Limit_Type	0004	RL		
A1	1733	Reporting_Limit_Type	0004	RL		
A1	1734	Reporting_Limit_Type	0004	RL		
A1	1735	Reporting_Limit_Type	0004	RL		
A1	1736	Reporting_Limit_Type	0004	RL		
A1	1737	Reporting_Limit_Type	0004	RL		
A1	1738	Reporting_Limit_Type	0004	RL		
A1	1739	Reporting_Limit_Type	0004	RL		
A1	1740	Reporting_Limit_Type	0004	RL		
A1	1741	Reporting_Limit_Type	0004	RL		
A1	1742	Reporting_Limit_Type	0004	RL		
A1	1743	Reporting_Limit_Type	0004	RL		
A1	1744	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1745	Reporting_Limit_Type	0004	RL		
A1	1746	Reporting_Limit_Type	0004	RL		
A1	1747	Reporting_Limit_Type	0004	RL		
A1	1748	Reporting_Limit_Type	0004	RL		
A1	1749	Reporting_Limit_Type	0004	RL		
A1	1750	Reporting_Limit_Type	0004	RL		
A1	1751	Reporting_Limit_Type	0004	RL		
A1	1752	Reporting_Limit_Type	0004	RL		
A1	1753	Reporting_Limit_Type	0004	RL		
A1	1754	Reporting_Limit_Type	0004	RL		
A1	1755	Reporting_Limit_Type	0004	RL		
A1	1756	Reporting_Limit_Type	0004	RL		
A1	1757	Reporting_Limit_Type	0004	RL		
A1	1758	Reporting_Limit_Type	0004	RL		
A1	1759	Reporting_Limit_Type	0004	RL		
A1	1760	Reporting_Limit_Type	0004	RL		
A1	1761	Reporting_Limit_Type	0004	RL		
A1	1762	Reporting_Limit_Type	0004	RL		
A1	1763	Reporting_Limit_Type	0004	RL		
A1	1764	Reporting_Limit_Type	0004	RL		
A1	1765	Reporting_Limit_Type	0004	RL		
A1	1766	Reporting_Limit_Type	0004	RL		
A1	1767	Reporting_Limit_Type	0004	RL		
A1	1768	Reporting_Limit_Type	0004	RL		
A1	1769	Reporting_Limit_Type	0004	RL		
A1	1770	Reporting_Limit_Type	0004	RL		
A1	1771	Reporting_Limit_Type	0004	RL		
A1	1772	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1773	Reporting_Limit_Type	0004	RL		
A1	1774	Reporting_Limit_Type	0004	RL		
A1	1775	Reporting_Limit_Type	0004	RL		
A1	1776	Reporting_Limit_Type	0004	RL		
A1	1777	Reporting_Limit_Type	0004	RL		
A1	1778	Reporting_Limit_Type	0004	RL		
A1	1779	Reporting_Limit_Type	0004	RL		
A1	1780	Reporting_Limit_Type	0004	RL		
A1	1781	Reporting_Limit_Type	0004	RL		
A1	1782	Reporting_Limit_Type	0004	RL		
A1	1783	Reporting_Limit_Type	0004	RL		
A1	1784	Reporting_Limit_Type	0004	RL		
A1	1785	Reporting_Limit_Type	0004	RL		
A1	1786	Reporting_Limit_Type	0004	RL		
A1	1787	Reporting_Limit_Type	0004	RL		
A1	1788	Reporting_Limit_Type	0004	RL		
A1	1789	Reporting_Limit_Type	0004	RL		
A1	1790	Reporting_Limit_Type	0004	RL		
A1	1791	Reporting_Limit_Type	0004	RL		
A1	1792	Reporting_Limit_Type	0004	RL		
A1	1793	Reporting_Limit_Type	0004	RL		
A1	1794	Reporting_Limit_Type	0004	RL		
A1	1795	Reporting_Limit_Type	0004	RL		
A1	1796	Reporting_Limit_Type	0004	RL		
A1	1797	Reporting_Limit_Type	0004	RL		
A1	1798	Reporting_Limit_Type	0004	RL		
A1	1799	Reporting_Limit_Type	0004	RL		
A1	1800	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1801	Reporting_Limit_Type	0004	RL		
A1	1802	Reporting_Limit_Type	0004	RL		
A1	1803	Reporting_Limit_Type	0004	RL		
A1	1804	Reporting_Limit_Type	0004	RL		
A1	1805	Reporting_Limit_Type	0004	RL		
A1	1806	Reporting_Limit_Type	0004	RL		
A1	1807	Reporting_Limit_Type	0004	RL		
A1	1808	Reporting_Limit_Type	0004	RL		
A1	1809	Reporting_Limit_Type	0004	RL		
A1	1810	Reporting_Limit_Type	0004	RL		
A1	1811	Reporting_Limit_Type	0004	RL		
A1	1812	Reporting_Limit_Type	0004	RL		
A1	1813	Reporting_Limit_Type	0004	RL		
A1	1814	Reporting_Limit_Type	0004	RL		
A1	1815	Reporting_Limit_Type	0004	RL		
A1	1816	Reporting_Limit_Type	0004	RL		
A1	1817	Reporting_Limit_Type	0004	RL		
A1	1818	Reporting_Limit_Type	0004	RL		
A1	1819	Reporting_Limit_Type	0004	RL		
A1	1820	Reporting_Limit_Type	0004	RL		
A1	1821	Reporting_Limit_Type	0004	RL		
A1	1822	Reporting_Limit_Type	0004	RL		
A1	1823	Reporting_Limit_Type	0004	RL		
A1	1824	Reporting_Limit_Type	0004	RL		
A1	1825	Reporting_Limit_Type	0004	RL		
A1	1826	Reporting_Limit_Type	0004	RL		
A1	1827	Reporting_Limit_Type	0004	RL		
A1	1828	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1829	Reporting_Limit_Type	0004	RL		
A1	1830	Reporting_Limit_Type	0004	RL		
A1	1831	Reporting_Limit_Type	0004	RL		
A1	1832	Reporting_Limit_Type	0004	RL		
A1	1833	Reporting_Limit_Type	0004	RL		
A1	1834	Reporting_Limit_Type	0004	RL		
A1	1835	Reporting_Limit_Type	0004	RL		
A1	1836	Reporting_Limit_Type	0004	RL		
A1	1837	Reporting_Limit_Type	0004	RL		
A1	1838	Reporting_Limit_Type	0004	RL		
A1	1839	Reporting_Limit_Type	0004	RL		
A1	1840	Reporting_Limit_Type	0004	RL		
A1	1841	Reporting_Limit_Type	0004	RL		
A1	1842	Reporting_Limit_Type	0004	RL		
A1	1843	Reporting_Limit_Type	0004	RL		
A1	1844	Reporting_Limit_Type	0004	RL		
A1	1845	Reporting_Limit_Type	0004	RL		
A1	1846	Reporting_Limit_Type	0004	RL		
A1	1847	Reporting_Limit_Type	0004	RL		
A1	1848	Reporting_Limit_Type	0004	RL		
A1	1849	Reporting_Limit_Type	0004	RL		
A1	1850	Reporting_Limit_Type	0004	RL		
A1	1851	Reporting_Limit_Type	0004	RL		
A1	1852	Reporting_Limit_Type	0004	RL		
A1	1853	Reporting_Limit_Type	0004	RL		
A1	1854	Reporting_Limit_Type	0004	RL		
A1	1855	Reporting_Limit_Type	0004	RL		
A1	1856	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1857	Reporting_Limit_Type	0004 RL		
A1	1858	Reporting_Limit_Type	0004 RL		
A1	1859	Reporting_Limit_Type	0004 RL		
A1	1860	Reporting_Limit_Type	0004 RL		
A1	1861	Reporting_Limit_Type	0004 RL		
A1	1862	Reporting_Limit_Type	0004 RL		
A1	1863	Reporting_Limit_Type	0004 RL		
A1	1864	Reporting_Limit_Type	0004 RL		
A1	1865	Reporting_Limit_Type	0004 RL		
A1	1866	Reporting_Limit_Type	0004 RL		
A1	1867	Reporting_Limit_Type	0004 RL		
A1	1868	Reporting_Limit_Type	0004 RL		
A1	1869	Reporting_Limit_Type	0004 RL		
A1	1870	Reporting_Limit_Type	0004 RL		
A1	1871	Reporting_Limit_Type	0004 RL		
A1	1872	Reporting_Limit_Type	0004 RL		
A1	1873	Reporting_Limit_Type	0004 RL		
A1	1874	Reporting_Limit_Type	0004 RL		
A1	1875	Reporting_Limit_Type	0004 RL		
A1	1876	Reporting_Limit_Type	0004 RL		
A1	1877	Reporting_Limit_Type	0004 RL		
A1	1878	Reporting_Limit_Type	0004 RL		
A1	1879	Reporting_Limit_Type	0004 RL		
A1	1880	Reporting_Limit_Type	0004 RL		
A1	1881	Reporting_Limit_Type	0004 RL		
A1	1882	Reporting_Limit_Type	0004 RL		
A1	1883	Reporting_Limit_Type	0004 RL		
A1	1884	Reporting_Limit_Type	0004 RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1885	Reporting_Limit_Type	0004 RL		
A1	1886	Reporting_Limit_Type	0004 RL		
A1	1887	Reporting_Limit_Type	0004 RL		
A1	1888	Reporting_Limit_Type	0004 RL		
A1	1889	Reporting_Limit_Type	0004 RL		
A1	1890	Reporting_Limit_Type	0004 RL		
A1	1891	Reporting_Limit_Type	0004 RL		
A1	1892	Reporting_Limit_Type	0004 RL		
A1	1893	Reporting_Limit_Type	0004 RL		
A1	1894	Reporting_Limit_Type	0004 RL		
A1	1895	Reporting_Limit_Type	0004 RL		
A1	1896	Reporting_Limit_Type	0004 RL		
A1	1897	Reporting_Limit_Type	0004 RL		
A1	1898	Reporting_Limit_Type	0004 RL		
A1	1899	Reporting_Limit_Type	0004 RL		
A1	1900	Reporting_Limit_Type	0004 RL		
A1	1901	Reporting_Limit_Type	0004 RL		
A1	1902	Reporting_Limit_Type	0004 RL		
A1	1903	Reporting_Limit_Type	0004 RL		
A1	1904	Reporting_Limit_Type	0004 RL		
A1	1905	Reporting_Limit_Type	0004 RL		
A1	1906	Reporting_Limit_Type	0004 RL		
A1	1907	Reporting_Limit_Type	0004 RL		
A1	1908	Reporting_Limit_Type	0004 RL		
A1	1909	Reporting_Limit_Type	0004 RL		
A1	1910	Reporting_Limit_Type	0004 RL		
A1	1911	Reporting_Limit_Type	0004 RL		
A1	1912	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1913	Reporting_Limit_Type	0004	RL		
A1	1914	Reporting_Limit_Type	0004	RL		
A1	1915	Reporting_Limit_Type	0004	RL		
A1	1916	Reporting_Limit_Type	0004	RL		
A1	1917	Reporting_Limit_Type	0004	RL		
A1	1918	Reporting_Limit_Type	0004	RL		
A1	1919	Reporting_Limit_Type	0004	RL		
A1	1920	Reporting_Limit_Type	0004	RL		
A1	1921	Reporting_Limit_Type	0004	RL		
A1	1922	Reporting_Limit_Type	0004	RL		
A1	1923	Reporting_Limit_Type	0004	RL		
A1	1924	Reporting_Limit_Type	0004	RL		
A1	1925	Reporting_Limit_Type	0004	RL		
A1	1926	Reporting_Limit_Type	0004	RL		
A1	1927	Reporting_Limit_Type	0004	RL		
A1	1928	Reporting_Limit_Type	0004	RL		
A1	1929	Reporting_Limit_Type	0004	RL		
A1	1930	Reporting_Limit_Type	0004	RL		
A1	1931	Reporting_Limit_Type	0004	RL		
A1	1932	Reporting_Limit_Type	0004	RL		
A1	1933	Reporting_Limit_Type	0004	RL		
A1	1934	Reporting_Limit_Type	0004	RL		
A1	1935	Reporting_Limit_Type	0004	RL		
A1	1936	Reporting_Limit_Type	0004	RL		
A1	1937	Reporting_Limit_Type	0004	RL		
A1	1938	Reporting_Limit_Type	0004	RL		
A1	1939	Reporting_Limit_Type	0004	RL		
A1	1940	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1941	Reporting_Limit_Type	0004	RL		
A1	1942	Reporting_Limit_Type	0004	RL		
A1	1943	Reporting_Limit_Type	0004	RL		
A1	1944	Reporting_Limit_Type	0004	RL		
A1	1945	Reporting_Limit_Type	0004	RL		
A1	1946	Reporting_Limit_Type	0004	RL		
A1	1947	Reporting_Limit_Type	0004	RL		
A1	1948	Reporting_Limit_Type	0004	RL		
A1	1949	Reporting_Limit_Type	0004	RL		
A1	1950	Reporting_Limit_Type	0004	RL		
A1	1951	Reporting_Limit_Type	0004	RL		
A1	1952	Reporting_Limit_Type	0004	RL		
A1	1953	Reporting_Limit_Type	0004	RL		
A1	1954	Reporting_Limit_Type	0004	RL		
A1	1955	Reporting_Limit_Type	0004	RL		
A1	1956	Reporting_Limit_Type	0004	RL		
A1	1957	Reporting_Limit_Type	0004	RL		
A1	1958	Reporting_Limit_Type	0004	RL		
A1	1959	Reporting_Limit_Type	0004	RL		
A1	1960	Reporting_Limit_Type	0004	RL		
A1	1961	Reporting_Limit_Type	0004	RL		
A1	1962	Reporting_Limit_Type	0004	RL		
A1	1963	Reporting_Limit_Type	0004	RL		
A1	1964	Reporting_Limit_Type	0004	RL		
A1	1965	Reporting_Limit_Type	0004	RL		
A1	1966	Reporting_Limit_Type	0004	RL		
A1	1967	Reporting_Limit_Type	0004	RL		
A1	1968	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1969	Reporting_Limit_Type	0004	RL		
A1	1970	Reporting_Limit_Type	0004	RL		
A1	1971	Reporting_Limit_Type	0004	RL		
A1	1972	Reporting_Limit_Type	0004	RL		
A1	1973	Reporting_Limit_Type	0004	RL		
A1	1974	Reporting_Limit_Type	0004	RL		
A1	1975	Reporting_Limit_Type	0004	RL		
A1	1976	Reporting_Limit_Type	0004	RL		
A1	1977	Reporting_Limit_Type	0004	RL		
A1	1978	Reporting_Limit_Type	0004	RL		
A1	1979	Reporting_Limit_Type	0004	RL		
A1	1980	Reporting_Limit_Type	0004	RL		
A1	1981	Reporting_Limit_Type	0004	RL		
A1	1982	Reporting_Limit_Type	0004	RL		
A1	1983	Reporting_Limit_Type	0004	RL		
A1	1984	Reporting_Limit_Type	0004	RL		
A1	1985	Reporting_Limit_Type	0004	RL		
A1	1986	Reporting_Limit_Type	0004	RL		
A1	1987	Reporting_Limit_Type	0004	RL		
A1	1988	Reporting_Limit_Type	0004	RL		
A1	1989	Reporting_Limit_Type	0004	RL		
A1	1990	Reporting_Limit_Type	0004	RL		
A1	1991	Reporting_Limit_Type	0004	RL		
A1	1992	Reporting_Limit_Type	0004	RL		
A1	1993	Reporting_Limit_Type	0004	RL		
A1	1994	Reporting_Limit_Type	0004	RL		
A1	1995	Reporting_Limit_Type	0004	RL		
A1	1996	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1997	Reporting_Limit_Type	0004 RL		
A1	1998	Reporting_Limit_Type	0004 RL		
A1	1999	Reporting_Limit_Type	0004 RL		
A1	2000	Reporting_Limit_Type	0004 RL		
A1	2001	Reporting_Limit_Type	0004 RL		
A1	2002	Reporting_Limit_Type	0004 RL		
A1	2003	Reporting_Limit_Type	0004 RL		
A1	2004	Reporting_Limit_Type	0004 RL		
A1	2005	Reporting_Limit_Type	0004 RL		
A1	2006	Reporting_Limit_Type	0004 RL		
A1	2007	Reporting_Limit_Type	0004 RL		
A1	2008	Reporting_Limit_Type	0004 RL		
A1	2009	Reporting_Limit_Type	0004 RL		
A1	2010	Reporting_Limit_Type	0004 RL		
A1	2011	Reporting_Limit_Type	0004 RL		
A1	2012	Reporting_Limit_Type	0004 RL		
A1	2013	Reporting_Limit_Type	0004 RL		
A1	2014	Reporting_Limit_Type	0004 RL		
A1	2015	Reporting_Limit_Type	0004 RL		
A1	2016	Reporting_Limit_Type	0004 RL		
A1	2017	Reporting_Limit_Type	0004 RL		
A1	2018	Reporting_Limit_Type	0004 RL		
A1	2019	Reporting_Limit_Type	0004 RL		
A1	2020	Reporting_Limit_Type	0004 RL		
A1	2021	Reporting_Limit_Type	0004 RL		
A1	2022	Reporting_Limit_Type	0004 RL		
A1	2023	Reporting_Limit_Type	0004 RL		
A1	2024	Reporting_Limit_Type	0004 RL		

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Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2025	Reporting_Limit_Type	0004	RL		
A1	2026	Reporting_Limit_Type	0004	RL		
A1	2027	Reporting_Limit_Type	0004	RL		
A1	2028	Reporting_Limit_Type	0004	RL		
A1	2029	Reporting_Limit_Type	0004	RL		
A1	2030	Reporting_Limit_Type	0004	RL		
A1	2031	Reporting_Limit_Type	0004	RL		
A1	2032	Reporting_Limit_Type	0004	RL		
A1	2033	Reporting_Limit_Type	0004	RL		
A1	2034	Reporting_Limit_Type	0004	RL		
A1	2035	Reporting_Limit_Type	0004	RL		
A1	2036	Reporting_Limit_Type	0004	RL		
A1	2037	Reporting_Limit_Type	0004	RL		
A1	2038	Reporting_Limit_Type	0004	RL		
A1	2039	Reporting_Limit_Type	0004	RL		
A1	2040	Reporting_Limit_Type	0004	RL		
A1	2041	Reporting_Limit_Type	0004	RL		
A1	2042	Reporting_Limit_Type	0004	RL		
A1	2043	Reporting_Limit_Type	0004	RL		
A1	2044	Reporting_Limit_Type	0004	RL		
A1	2045	Reporting_Limit_Type	0004	RL		
A1	2046	Reporting_Limit_Type	0004	RL		
A1	2047	Reporting_Limit_Type	0004	RL		
A1	2048	Reporting_Limit_Type	0004	RL		
A1	2049	Reporting_Limit_Type	0004	RL		
A1	2050	Reporting_Limit_Type	0004	RL		
A1	2051	Reporting_Limit_Type	0004	RL		
A1	2052	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	2053	Reporting_Limit_Type	0004 RL		
A1	2054	Reporting_Limit_Type	0004 RL		
A1	2055	Reporting_Limit_Type	0004 RL		
A1	2056	Reporting_Limit_Type	0004 RL		
A1	2057	Reporting_Limit_Type	0004 RL		
A1	2058	Reporting_Limit_Type	0004 RL		
A1	2059	Reporting_Limit_Type	0004 RL		
A1	2060	Reporting_Limit_Type	0004 RL		
A1	2061	Reporting_Limit_Type	0004 RL		
A1	2062	Reporting_Limit_Type	0004 RL		
A1	2063	Reporting_Limit_Type	0004 RL		
A1	2064	Reporting_Limit_Type	0004 RL		
A1	2065	Reporting_Limit_Type	0004 RL		
A1	2066	Reporting_Limit_Type	0004 RL		
A1	2067	Reporting_Limit_Type	0004 RL		
A1	2068	Reporting_Limit_Type	0004 RL		
A1	2069	Reporting_Limit_Type	0004 RL		
A1	2070	Reporting_Limit_Type	0004 RL		
A1	2071	Reporting_Limit_Type	0004 RL		
A1	2072	Reporting_Limit_Type	0004 RL		
A1	2073	Reporting_Limit_Type	0004 RL		
A1	2074	Reporting_Limit_Type	0004 RL		
A1	2075	Reporting_Limit_Type	0004 RL		
A1	2076	Reporting_Limit_Type	0004 RL		
A1	2077	Reporting_Limit_Type	0004 RL		
A1	2078	Reporting_Limit_Type	0004 RL		
A1	2079	Reporting_Limit_Type	0004 RL		
A1	2080	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2081	Reporting_Limit_Type	0004	RL		
A1	2082	Reporting_Limit_Type	0004	RL		
A1	2083	Reporting_Limit_Type	0004	RL		
A1	2084	Reporting_Limit_Type	0004	RL		
A1	2085	Reporting_Limit_Type	0004	RL		
A1	2086	Reporting_Limit_Type	0004	RL		
A1	2087	Reporting_Limit_Type	0004	RL		
A1	2088	Reporting_Limit_Type	0004	RL		
A1	2089	Reporting_Limit_Type	0004	RL		
A1	2090	Reporting_Limit_Type	0004	RL		
A1	2091	Reporting_Limit_Type	0004	RL		
A1	2092	Reporting_Limit_Type	0004	RL		
A1	2093	Reporting_Limit_Type	0004	RL		
A1	2094	Reporting_Limit_Type	0004	RL		
A1	2095	Reporting_Limit_Type	0004	RL		
A1	2096	Reporting_Limit_Type	0004	RL		
A1	2097	Reporting_Limit_Type	0004	RL		
A1	2098	Reporting_Limit_Type	0004	RL		
A1	2099	Reporting_Limit_Type	0004	RL		
A1	2100	Reporting_Limit_Type	0004	RL		
A1	2101	Reporting_Limit_Type	0004	RL		
A1	2102	Reporting_Limit_Type	0004	RL		
A1	2103	Reporting_Limit_Type	0004	RL		
A1	2104	Reporting_Limit_Type	0004	RL		
A1	2105	Reporting_Limit_Type	0004	RL		
A1	2106	Reporting_Limit_Type	0004	RL		
A1	2107	Reporting_Limit_Type	0004	RL		
A1	2108	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2109	Reporting_Limit_Type	0004	RL		
A1	2110	Reporting_Limit_Type	0004	RL		
A1	2111	Reporting_Limit_Type	0004	RL		
A1	2112	Reporting_Limit_Type	0004	RL		
A1	2113	Reporting_Limit_Type	0004	RL		
A1	2114	Reporting_Limit_Type	0004	RL		
A1	2115	Reporting_Limit_Type	0004	RL		
A1	2116	Reporting_Limit_Type	0004	RL		
A1	2117	Reporting_Limit_Type	0004	RL		
A1	2118	Reporting_Limit_Type	0004	RL		
A1	2119	Reporting_Limit_Type	0004	RL		
A1	2120	Reporting_Limit_Type	0004	RL		
A1	2121	Reporting_Limit_Type	0004	RL		
A1	2122	Reporting_Limit_Type	0004	RL		
A1	2123	Reporting_Limit_Type	0004	RL		
A1	2124	Reporting_Limit_Type	0004	RL		
A1	2125	Reporting_Limit_Type	0004	RL		
A1	2126	Reporting_Limit_Type	0004	RL		
A1	2127	Reporting_Limit_Type	0004	RL		
A1	2128	Reporting_Limit_Type	0004	RL		
A1	2129	Reporting_Limit_Type	0004	RL		
A1	2130	Reporting_Limit_Type	0004	RL		
A1	2131	Reporting_Limit_Type	0004	RL		
A1	2132	Reporting_Limit_Type	0004	RL		
A1	2133	Reporting_Limit_Type	0004	RL		
A1	2134	Reporting_Limit_Type	0004	RL		
A1	2135	Reporting_Limit_Type	0004	RL		
A1	2136	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2137	Reporting_Limit_Type	0004	RL		
A1	2138	Reporting_Limit_Type	0004	RL		
A1	2139	Reporting_Limit_Type	0004	RL		
A1	2140	Reporting_Limit_Type	0004	RL		
A1	2141	Reporting_Limit_Type	0004	RL		
A1	2142	Reporting_Limit_Type	0004	RL		
A1	2143	Reporting_Limit_Type	0004	RL		
A1	2144	Reporting_Limit_Type	0004	RL		
A1	2145	Reporting_Limit_Type	0004	RL		
A1	2146	Reporting_Limit_Type	0004	RL		
A1	2147	Reporting_Limit_Type	0004	RL		
A1	2148	Reporting_Limit_Type	0004	RL		
A1	2149	Reporting_Limit_Type	0004	RL		
A1	2150	Reporting_Limit_Type	0004	RL		
A1	2151	Reporting_Limit_Type	0004	RL		
A1	2152	Reporting_Limit_Type	0004	RL		
A1	2153	Reporting_Limit_Type	0004	RL		
A1	2154	Reporting_Limit_Type	0004	RL		
A1	2155	Reporting_Limit_Type	0004	RL		
A1	2156	Reporting_Limit_Type	0004	RL		
A1	2157	Reporting_Limit_Type	0004	RL		
A1	2158	Reporting_Limit_Type	0004	RL		
A1	2159	Reporting_Limit_Type	0004	RL		
A1	2160	Reporting_Limit_Type	0004	RL		
A1	2161	Reporting_Limit_Type	0004	RL		
A1	2162	Reporting_Limit_Type	0004	RL		
A1	2163	Reporting_Limit_Type	0004	RL		
A1	2164	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2165	Reporting_Limit_Type	0004	RL		
A1	2166	Reporting_Limit_Type	0004	RL		
A1	2167	Reporting_Limit_Type	0004	RL		
A1	2168	Reporting_Limit_Type	0004	RL		
A1	2169	Reporting_Limit_Type	0004	RL		
A1	2170	Reporting_Limit_Type	0004	RL		
A1	2171	Reporting_Limit_Type	0004	RL		
A1	2172	Reporting_Limit_Type	0004	RL		
A1	2173	Reporting_Limit_Type	0004	RL		
A1	2174	Reporting_Limit_Type	0004	RL		
A1	2175	Reporting_Limit_Type	0004	RL		
A1	2176	Reporting_Limit_Type	0004	RL		
A1	2177	Reporting_Limit_Type	0004	RL		
A1	2178	Reporting_Limit_Type	0004	RL		
A1	2179	Reporting_Limit_Type	0004	RL		
A1	2180	Reporting_Limit_Type	0004	RL		
A1	2181	Reporting_Limit_Type	0004	RL		
A1	2182	Reporting_Limit_Type	0004	RL		
A1	2183	Reporting_Limit_Type	0004	RL		
A1	2184	Reporting_Limit_Type	0004	RL		
A1	2185	Reporting_Limit_Type	0004	RL		
A1	2186	Reporting_Limit_Type	0004	RL		
A1	2187	Reporting_Limit_Type	0004	RL		
A1	2188	Reporting_Limit_Type	0004	RL		
A1	2189	Reporting_Limit_Type	0004	RL		
A1	2190	Reporting_Limit_Type	0004	RL		
A1	2191	Reporting_Limit_Type	0004	RL		
A1	2192	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2193	Reporting_Limit_Type	0004	RL		
A1	2194	Reporting_Limit_Type	0004	RL		
A1	2195	Reporting_Limit_Type	0004	RL		
A1	2196	Reporting_Limit_Type	0004	RL		
A1	2197	Reporting_Limit_Type	0004	RL		
A1	2198	Reporting_Limit_Type	0004	RL		
A1	2199	Reporting_Limit_Type	0004	RL		
A1	2200	Reporting_Limit_Type	0004	RL		
A1	2201	Reporting_Limit_Type	0004	RL		
A1	2202	Reporting_Limit_Type	0004	RL		
A1	2203	Reporting_Limit_Type	0004	RL		
A1	2204	Reporting_Limit_Type	0004	RL		
A1	2205	Reporting_Limit_Type	0004	RL		
A1	2206	Reporting_Limit_Type	0004	RL		
A1	2207	Reporting_Limit_Type	0004	RL		
A1	2208	Reporting_Limit_Type	0004	RL		
A1	2209	Reporting_Limit_Type	0004	RL		
A1	2210	Reporting_Limit_Type	0004	RL		
A1	2211	Reporting_Limit_Type	0004	RL		
A1	2212	Reporting_Limit_Type	0004	RL		
A1	2213	Reporting_Limit_Type	0004	RL		
A1	2214	Reporting_Limit_Type	0004	RL		
A1	2215	Reporting_Limit_Type	0004	RL		
A1	2216	Reporting_Limit_Type	0004	RL		
A1	2217	Reporting_Limit_Type	0004	RL		
A1	2218	Reporting_Limit_Type	0004	RL		
A1	2219	Reporting_Limit_Type	0004	RL		
A1	2220	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2221	Reporting_Limit_Type	0004	RL		
A1	2222	Reporting_Limit_Type	0004	RL		
A1	2223	Reporting_Limit_Type	0004	RL		
A1	2224	Reporting_Limit_Type	0004	RL		
A1	2225	Reporting_Limit_Type	0004	RL		
A1	2226	Reporting_Limit_Type	0004	RL		
A1	2227	Reporting_Limit_Type	0004	RL		
A1	2228	Reporting_Limit_Type	0004	RL		
A1	2229	Reporting_Limit_Type	0004	RL		
A1	2230	Reporting_Limit_Type	0004	RL		
A1	2231	Reporting_Limit_Type	0004	RL		
A1	2232	Reporting_Limit_Type	0004	RL		
A1	2233	Reporting_Limit_Type	0004	RL		
A1	2234	Reporting_Limit_Type	0004	RL		
A1	2235	Reporting_Limit_Type	0004	RL		
A1	2236	Reporting_Limit_Type	0004	RL		
A1	2237	Reporting_Limit_Type	0004	RL		
A1	2238	Reporting_Limit_Type	0004	RL		
A1	2239	Reporting_Limit_Type	0004	RL		
A1	2240	Reporting_Limit_Type	0004	RL		
A1	2241	Reporting_Limit_Type	0004	RL		
A1	2242	Reporting_Limit_Type	0004	RL		
A1	2243	Reporting_Limit_Type	0004	RL		
A1	2244	Reporting_Limit_Type	0004	RL		
A1	2245	Reporting_Limit_Type	0004	RL		
A1	2246	Reporting_Limit_Type	0004	RL		
A1	2247	Reporting_Limit_Type	0004	RL		
A1	2248	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2249	Reporting_Limit_Type	0004	RL		
A1	2250	Reporting_Limit_Type	0004	RL		
A1	2251	Reporting_Limit_Type	0004	RL		
A1	2252	Reporting_Limit_Type	0004	RL		
A1	2253	Reporting_Limit_Type	0004	RL		
A1	2254	Reporting_Limit_Type	0004	RL		
A1	2255	Reporting_Limit_Type	0004	RL		
A1	2256	Reporting_Limit_Type	0004	RL		
A1	2257	Reporting_Limit_Type	0004	RL		
A1	2258	Reporting_Limit_Type	0004	RL		
A1	2259	Reporting_Limit_Type	0004	RL		
A1	2260	Reporting_Limit_Type	0004	RL		
A1	2261	Reporting_Limit_Type	0004	RL		
A1	2262	Reporting_Limit_Type	0004	RL		
A1	2263	Reporting_Limit_Type	0004	RL		
A1	2264	Reporting_Limit_Type	0004	RL		
A1	2265	Reporting_Limit_Type	0004	RL		
A1	2266	Reporting_Limit_Type	0004	RL		
A1	2267	Reporting_Limit_Type	0004	RL		
A1	2268	Reporting_Limit_Type	0004	RL		
A1	2269	Reporting_Limit_Type	0004	RL		
A1	2270	Reporting_Limit_Type	0004	RL		
A1	2271	Reporting_Limit_Type	0004	RL		
A1	2272	Reporting_Limit_Type	0004	RL		
A1	2273	Reporting_Limit_Type	0004	RL		
A1	2274	Reporting_Limit_Type	0004	RL		
A1	2275	Reporting_Limit_Type	0004	RL		
A1	2276	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2277	Reporting_Limit_Type	0004	RL		
A1	2278	Reporting_Limit_Type	0004	RL		
A1	2279	Reporting_Limit_Type	0004	RL		
A1	2280	Reporting_Limit_Type	0004	RL		
A1	2281	Reporting_Limit_Type	0004	RL		
A1	2282	Reporting_Limit_Type	0004	RL		
A1	2283	Reporting_Limit_Type	0004	RL		
A1	2284	Reporting_Limit_Type	0004	RL		
A1	2285	Reporting_Limit_Type	0004	RL		
A1	2286	Reporting_Limit_Type	0004	RL		
A1	2287	Reporting_Limit_Type	0004	RL		
A1	2288	Reporting_Limit_Type	0004	RL		
A1	2289	Reporting_Limit_Type	0004	RL		
A1	2290	Reporting_Limit_Type	0004	RL		
A1	2291	Reporting_Limit_Type	0004	RL		
A1	2292	Reporting_Limit_Type	0004	RL		
A1	2293	Reporting_Limit_Type	0004	RL		
A1	2294	Reporting_Limit_Type	0004	RL		
A1	2295	Reporting_Limit_Type	0004	RL		
A1	2296	Reporting_Limit_Type	0004	RL		
A1	2297	Reporting_Limit_Type	0004	RL		
A1	2298	Reporting_Limit_Type	0004	RL		
A1	2299	Reporting_Limit_Type	0004	RL		
A1	2300	Reporting_Limit_Type	0004	RL		
A1	2301	Reporting_Limit_Type	0004	RL		
A1	2302	Reporting_Limit_Type	0004	RL		
A1	2303	Reporting_Limit_Type	0004	RL		
A1	2304	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2305	Reporting_Limit_Type	0004	RL		
A1	2306	Reporting_Limit_Type	0004	RL		
A1	2307	Reporting_Limit_Type	0004	RL		
A1	2308	Reporting_Limit_Type	0004	RL		
A1	2309	Reporting_Limit_Type	0004	RL		
A1	2310	Reporting_Limit_Type	0004	RL		
A1	2311	Reporting_Limit_Type	0004	RL		
A1	2312	Reporting_Limit_Type	0004	RL		
A1	2313	Reporting_Limit_Type	0004	RL		
A1	2314	Reporting_Limit_Type	0004	RL		
A1	2315	Reporting_Limit_Type	0004	RL		
A1	2316	Reporting_Limit_Type	0004	RL		
A1	2317	Reporting_Limit_Type	0004	RL		
A1	2318	Reporting_Limit_Type	0004	RL		
A1	2319	Reporting_Limit_Type	0004	RL		
A1	2320	Reporting_Limit_Type	0004	RL		
A1	2321	Reporting_Limit_Type	0004	RL		
A1	2322	Reporting_Limit_Type	0004	RL		
A1	2323	Reporting_Limit_Type	0004	RL		
A1	2324	Reporting_Limit_Type	0004	RL		
A1	2325	Reporting_Limit_Type	0004	RL		
A1	2326	Reporting_Limit_Type	0004	RL		
A1	2327	Reporting_Limit_Type	0004	RL		
A1	2328	Reporting_Limit_Type	0004	RL		
A1	2329	Reporting_Limit_Type	0004	RL		
A1	2330	Reporting_Limit_Type	0004	RL		
A1	2331	Reporting_Limit_Type	0004	RL		
A1	2332	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	2333	Reporting_Limit_Type	0004	RL	
A1	2334	Reporting_Limit_Type	0004	RL	
A1	2335	Reporting_Limit_Type	0004	RL	
A1	2336	Reporting_Limit_Type	0004	RL	
A1	2337	Reporting_Limit_Type	0004	RL	
A1	2338	Reporting_Limit_Type	0004	RL	
A1	2339	Reporting_Limit_Type	0004	RL	
A1	2340	Reporting_Limit_Type	0004	RL	
A1	2341	Reporting_Limit_Type	0004	RL	
A1	2342	Reporting_Limit_Type	0004	RL	
A1	2343	Reporting_Limit_Type	0004	RL	
A1	2344	Reporting_Limit_Type	0004	RL	
A1	2345	Reporting_Limit_Type	0004	RL	
A1	2346	Reporting_Limit_Type	0004	RL	
A1	2347	Reporting_Limit_Type	0004	RL	
A1	2348	Reporting_Limit_Type	0004	RL	
A1	2349	Reporting_Limit_Type	0004	RL	
A1	2350	Reporting_Limit_Type	0004	RL	
A1	2351	Reporting_Limit_Type	0004	RL	
A3		Project Number	0025	The project name "B & B GROUNDWATER SAMPLING" entered in one or more records does not match any of the project names entered in the standard values table.	
A3		Project Number	0025	The project number "ECO-13-601" entered in one or more records does not match any of the project numbers entered in the standard values table.	
A3	1	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	6	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	11	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	16	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	21	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	27	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	28	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	31	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	38	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	41	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	44	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	48	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	51	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	54	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	57	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	58	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	59	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

0001	*The number of characters entered in the field exceeds the number allowed for that field*
0002	*Non-numeric entry in a numeric field*
0003	*Non-date entry or incorrectly formatted date in a date field*
0004	*Value entered was not found in the Standard Value List (see Appendix B and C)*
0005	*Analytical Method, Analtye ID, Analyte Name, Matrix, and Units not found in the reference project library*
0006	*RPD value is missing from a MSD, LCSD, or laboratory duplicate sample*
0007	*Target analyte specified in library files not found in the EDD*
0008	*Discrepancy in related records found between the tables Sample Analysis and Analytical Result*
0009	*Required field is missing information*
0010	*Surrogate compounds specified in the reference project library are not found in table Analytical Results*
0011	*Surrogate compounds not specified in the reference project library are found in table Analytical Results*
0012	*Spike compounds specified in the reference project library are not found in table Analytical Results or vice versa*
0013	*Target analyte not specified in the reference project library is found in Analytical Results table*
0014	*Handling Batch ID (for leachates) is missing in Table A3*
0015	*Lab_Sample_ID can not have more than one matrix type assigned to it*
0016	*Analysis_Batch ID present in the Sample Analysis table is missing from the Laboratory Instrument table*
0017	*Analysis_Batch ID present in the Laboratory Instrument table is missing from the Sample Analysis table*
0018	*Run_Batch present in the Sample Analysis table is missing from the Laboratory Instrument table*
0019	*Run_Batch present in the Laboratory Instrument table is missing from the Sample Analysis table*
0020	*Target analytes and surrogates not specified in the reference project library are found in the Laboratory Intrument table*
0021	*Analysis_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS continuing calibration (QC_Type = CCV)*
0022	*Run_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS initial calibration (QC_Type = IC)*
0023	*Incorrect naming or inconsistent collection date for MS/MSD sample and/or parent sample*
0024	*Problems with %RSD, Correlation Coefficient, and/or RRFs reported for GC/MS calibration records.*
0025	*Project Number or Project Name reported in the EDD not found in the Standard Value table*
0026	*Result value for a non-detected analyte does not match the Reporting_Limit value as reported in the EDD*
0027	*ClientSampleID present in Analytical Results table but missing in the Sample Analysis table or vice versa*
0028	*Missing associated Method Blank records for a specific Preparation Batch / Analytical Method*
0029	*Missing associated Laboratory Control Sample records for a specific Preparation Batch / Analytical Method*
0030	*Missing associated Matrix Spike / Duplicate records for a specific Method Batch / Analytical Method*
0031	*Record specified in the reference project library not found in the Analytical Results table where Reportable Result = Yes*
0032	*Duplicate records found in table Analytical Results for fields ClientSampleID, Collected, AnalyticalMethod, AnalytedID where Reportable_Result = Yes*
0033	*Missing calibration records in Table A2*

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D143

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 7/5/2015 23:13**

0034	*Report Limit from table Analytical Results exceeds the value in the reference project library (corrected for dilution and perc moist, if appl)*
0035	*Missing target analytes in IC, ICV, CV, or CCV*
0036	*Surrogate Recovery has a value greater than zero but the Lab Qualifier is like "*U*"*
0037	*Duplicate records in Table A1, A2, or A3*
0038	*Problems with QC Batch assignment*

Field QC and Associated Samples

Lab Reporting Batch : 15D143 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
04-21-15-EB-1	**EB**	04-21-15-EPAS-1	04/21/2015 11:05
		04-21-15-EPAS-2	04/21/2015 12:45
		04-21-15-EPAS-3	04/21/2015 11:00
		04-21-15-FDUP-2	04/21/2015 11:00
		04-21-15-PWA-2	04/21/2015 13:25
		04-21-15-PWA-3	04/21/2015 11:45
		04-21-15-PWA-7A	04/21/2015 12:17
		04-21-15-WA-1	04/21/2015 08:15
		04-21-15-WA-3	04/21/2015 09:08
		04-21-15-WA-5	04/21/2015 09:30
		04-21-15-WA-9	04/21/2015 09:52
04-21-15-FDUP-2	**FD**	04-21-15-EPAS-3	04/21/2015 11:00
04-21-15-TB-2	**TB**	04-21-15-EB-1	04/21/2015 12:10
		04-21-15-EPAS-1	04/21/2015 11:05
		04-21-15-EPAS-2	04/21/2015 12:45
		04-21-15-EPAS-3	04/21/2015 11:00
		04-21-15-FDUP-2	04/21/2015 11:00
		04-21-15-PWA-2	04/21/2015 13:25
		04-21-15-PWA-3	04/21/2015 11:45
		04-21-15-PWA-7A	04/21/2015 12:17
		04-21-15-WA-1	04/21/2015 08:15
		04-21-15-WA-3	04/21/2015 09:08
		04-21-15-WA-5	04/21/2015 09:30
		04-21-15-WA-9	04/21/2015 09:52
04-21-15-TB-3	**TB**	04-21-15-EB-1	04/21/2015 12:10
		04-21-15-EPAS-1	04/21/2015 11:05
		04-21-15-EPAS-2	04/21/2015 12:45
		04-21-15-EPAS-3	04/21/2015 11:00
		04-21-15-FDUP-2	04/21/2015 11:00
		04-21-15-PWA-2	04/21/2015 13:25
		04-21-15-PWA-3	04/21/2015 11:45

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

Field QC Sample	QC Type	Associated Samples	Sample Collection Date
04-21-15-TB-3	**TB**	04-21-15-PWA-7A	04/21/2015 12:17
		04-21-15-WA-1	04/21/2015 08:15
		04-21-15-WA-3	04/21/2015 09:08
		04-21-15-WA-5	04/21/2015 09:30
		04-21-15-WA-9	04/21/2015 09:52
04-21-15-TB-4	**TB**	04-21-15-EB-1	04/21/2015 12:10
		04-21-15-EPAS-1	04/21/2015 11:05
		04-21-15-EPAS-2	04/21/2015 12:45
		04-21-15-EPAS-3	04/21/2015 11:00
		04-21-15-PWA-2	04/21/2015 13:25
		04-21-15-PWA-3	04/21/2015 11:45
		04-21-15-PWA-7A	04/21/2015 12:17
		04-21-15-WA-1	04/21/2015 08:15
		04-21-15-WA-3	04/21/2015 09:08
		04-21-15-WA-5	04/21/2015 09:30
		04-21-15-WA-9	04/21/2015 09:52

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

EDD Preparation Batch Summary and Associated Samples
EDD Reporting Batch ID: 15D143

Method: 8151

Matrix ID: AQ **Preparation Batch: HED009W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED009WB	HED009WB	RES	MB	04/24/2015 17:50
HED009WL	HED009WL	RES	LCS	04/24/2015 18:18
HED009WC	HED009WC	RES	LCSD	04/24/2015 18:55
04-21-15-WA-1MS	D143-01M	RES	MS	04/24/2015 20:44
04-21-15-WA-1MSD	D143-01S	RES	MSD	04/24/2015 21:21
04-21-15-WA-1	D143-01	RES	Normal sample	04/25/2015 03:27
04-21-15-WA-5	D143-05	RES	Normal sample	04/25/2015 05:17
04-21-15-WA-9	D143-08	RES	Normal sample	04/25/2015 06:30
04-21-15-PWA-3	D143-09	RES	Normal sample	04/25/2015 08:56
04-21-15-PWA-7A	D143-10	RES	Normal sample	04/25/2015 09:32
04-21-15-EB-1	D143-12	RES	Normal sample	04/25/2015 10:09
04-21-15-EPAS-1	D143-07I	RES	Normal sample	04/27/2015 15:24
04-21-15-EPAS-2	D143-14I	RES	Normal sample	04/27/2015 16:20
04-21-15-WA-3	D143-16I	RES	Normal sample	04/27/2015 16:48
04-21-15-FDUP-2	D143-03J	RES	Normal sample	04/27/2015 17:16
04-21-15-EPAS-3	D143-04J	RES	Normal sample	04/27/2015 17:45
04-21-15-PWA-2	D143-13K	RES	Normal sample	04/27/2015 18:13

Method: 8260B

Matrix ID: AQ Preparation Batch: VO01D26

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D26L	VO01D26L	RES	LCS	04/30/2015 14:09
VO01D26C	VO01D26C	RES	LCSD	04/30/2015 14:37
VO01D26B	VO01D26B	RES	MB	04/30/2015 15:31
04-21-15-WA-1MS	D143-01M	RES	MS	04/30/2015 15:57
04-21-15-WA-1MSD	D143-01S	RES	MSD	04/30/2015 16:24
04-21-15-WA-1	D143-01	RES	Normal sample	04/30/2015 19:07
04-21-15-TB-3	D143-11	RES	Normal sample	04/30/2015 19:36
04-21-15-EB-1	D143-12	RES	Normal sample	04/30/2015 20:04
04-21-15-TB-5	D143-15	RES	Normal sample	04/30/2015 20:32
04-21-15-WA-5	D143-05	RES	Normal sample	04/30/2015 21:00
04-21-15-WA-9	D143-08	RES	Normal sample	04/30/2015 21:29
04-21-15-PWA-3	D143-09	RES	Normal sample	04/30/2015 21:57
04-21-15-PWA-7A	D143-10	RES	Normal sample	04/30/2015 22:26
04-21-15-EPAS-2	D143-14	RES	Normal sample	04/30/2015 22:54
04-21-15-WA-3	D143-16	RES	Normal sample	04/30/2015 23:22
04-21-15-EPAS-1	D143-07	RES	Normal sample	04/30/2015 23:51
04-21-15-FDUP-2	D143-03	RES	Normal sample	05/01/2015 00:21
04-21-15-EPAS-3	D143-04	RES	Normal sample	05/01/2015 00:50

Matrix ID: AQ Preparation Batch: VO01E01

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E01L	VO01E01L	RES	LCS	05/01/2015 16:01
VO01E01Y	VO01E01Y	RES	LCSD	05/01/2015 17:05
VO01E01B	VO01E01B	RES	MB	05/01/2015 17:58
04-21-15-EPAS-1	D143-07I	DL	Normal sample	05/01/2015 19:21
04-21-15-TB-2	D143-02	RES	Normal sample	05/01/2015 19:49
04-21-15-TB-4	D143-06	RES	Normal sample	05/01/2015 20:17
04-21-15-PWA-2	D143-13	RES	Normal sample	05/02/2015 01:57

Matrix ID: AQ Preparation Batch: VO01E03

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E03L	VO01E03L	RES	LCS	05/04/2015 18:30
VO01E03C	VO01E03C	RES	LCSD	05/04/2015 18:59
VO01E03B	VO01E03B	RES	MB	05/04/2015 19:55
04-21-15-FDUP-2	D143-03J	DL	Normal sample	05/04/2015 20:23
04-21-15-EPAS-3	D143-04J	DL	Normal sample	05/04/2015 20:53
04-21-15-PWA-2	D143-13J	DL	Normal sample	05/04/2015 21:23

Method: 8260B SIM

Matrix ID: AQ Preparation Batch: VO01D22

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D22L	VO01D22L	RES	LCS	04/24/2015 11:42
VO01D22C	VO01D22C	RES	LCSD	04/24/2015 12:07
VO01D22Q	VO01D22Q	RES	MB	04/24/2015 13:15
04-21-15-WA-1	D143-01	RES	Normal sample	04/24/2015 13:40
04-21-15-WA-1MS	D143-01M	RES	MS	04/24/2015 14:05
04-21-15-WA-1MSD	D143-01S	RES	MSD	04/24/2015 14:30
04-21-15-WA-5	D143-05	RES	Normal sample	04/24/2015 17:50
04-21-15-WA-9	D143-08	RES	Normal sample	04/24/2015 18:15
04-21-15-PWA-3	D143-09	RES	Normal sample	04/24/2015 18:40
04-21-15-PWA-7A	D143-10	RES	Normal sample	04/24/2015 19:05
04-21-15-EPAS-1	D143-07I	DL	Normal sample	04/24/2015 19:30
04-21-15-EPAS-1	D143-07	RES	Normal sample	04/24/2015 20:45
04-21-15-FDUP-2	D143-03	RES	Normal sample	04/24/2015 21:35
04-21-15-EPAS-3	D143-04	RES	Normal sample	04/24/2015 22:00

Matrix ID: AQ Preparation Batch: VO01D23

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D23L	VO01D23L	RES	LCS	04/27/2015 13:43
VO01D23C	VO01D23C	RES	LCSD	04/27/2015 14:08
VO01D23B	VO01D23B	RES	MB	04/27/2015 14:33
04-21-15-EPAS-2	D143-14I	DL	Normal sample	04/27/2015 16:41
04-21-15-EB-1	D143-12	RES	Normal sample	04/27/2015 17:06
04-21-15-EPAS-2	D143-14	RES	Normal sample	04/27/2015 18:21
04-21-15-FDUP-2	D143-03I	DL	Normal sample	04/27/2015 18:46
04-21-15-EPAS-3	D143-04I	DL	Normal sample	04/27/2015 19:11
04-21-15-PWA-2	D143-13I	DL	Normal sample	04/27/2015 20:01
04-21-15-PWA-2	D143-13J	DL2	Normal sample	04/27/2015 20:26

Matrix ID: AQ Preparation Batch: VO01E02

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E02L	VO01E02L	RES	LCS	05/04/2015 14:28
VO01E02C	VO01E02C	RES	LCSD	05/04/2015 14:54
VO01E02B	VO01E02B	RES	MB	05/04/2015 15:18
04-21-15-WA-3	D143-16I	DL	Normal sample	05/04/2015 15:49
04-21-15-WA-3	D143-16N	RES	Normal sample	05/04/2015 16:14

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 15D143

Method: 8151

Matrix ID: AQ **Method Batch: HED009W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED009WL	HED009WL	RES	LCS	04/24/2015 18:18
HED009WC	HED009WC	RES	LCSD	04/24/2015 18:55
04-21-15-WA-1MS	D143-01M	RES	MS	04/24/2015 20:44
04-21-15-WA-1MSD	D143-01S	RES	MSD	04/24/2015 21:21
04-21-15-WA-1	D143-01	RES		04/25/2015 03:27
04-21-15-WA-5	D143-05	RES		04/25/2015 05:17
04-21-15-WA-9	D143-08	RES		04/25/2015 06:30
04-21-15-PWA-3	D143-09	RES		04/25/2015 08:56
04-21-15-PWA-7A	D143-10	RES		04/25/2015 09:32
04-21-15-EB-1	D143-12	RES		04/25/2015 10:09
04-21-15-EPAS-1	D143-07I	RES		04/27/2015 15:24
04-21-15-EPAS-2	D143-14I	RES		04/27/2015 16:20
04-21-15-WA-3	D143-16I	RES		04/27/2015 16:48
04-21-15-FDUP-2	D143-03J	RES		04/27/2015 17:16
04-21-15-EPAS-3	D143-04J	RES		04/27/2015 17:45
04-21-15-PWA-2	D143-13K	RES		04/27/2015 18:13

Method: 8260B

Matrix ID: AQ Method Batch: VO01D26

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D26L	VO01D26L	RES	LCS	04/30/2015 14:09
VO01D26C	VO01D26C	RES	LCSD	04/30/2015 14:37
04-21-15-WA-1MS	D143-01M	RES	MS	04/30/2015 15:57
04-21-15-WA-1MSD	D143-01S	RES	MSD	04/30/2015 16:24
04-21-15-WA-1	D143-01	RES		04/30/2015 19:07
04-21-15-TB-3	D143-11	RES		04/30/2015 19:36
04-21-15-EB-1	D143-12	RES		04/30/2015 20:04
04-21-15-TB-5	D143-15	RES		04/30/2015 20:32
04-21-15-WA-5	D143-05	RES		04/30/2015 21:00
04-21-15-WA-9	D143-08	RES		04/30/2015 21:29
04-21-15-PWA-3	D143-09	RES		04/30/2015 21:57
04-21-15-PWA-7A	D143-10	RES		04/30/2015 22:26
04-21-15-EPAS-2	D143-14	RES		04/30/2015 22:54
04-21-15-WA-3	D143-16	RES		04/30/2015 23:22
04-21-15-EPAS-1	D143-07	RES		04/30/2015 23:51
04-21-15-FDUP-2	D143-03	RES		05/01/2015 00:21
04-21-15-EPAS-3	D143-04	RES		05/01/2015 00:50

Matrix ID: AQ Method Batch: VO01E01

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E01L	VO01E01L	RES	LCS	05/01/2015 16:01
VO01E01Y	VO01E01Y	RES	LCSD	05/01/2015 17:05
04-21-15-EPAS-1	D143-07I	DL		05/01/2015 19:21
04-21-15-TB-2	D143-02	RES		05/01/2015 19:49
04-21-15-TB-4	D143-06	RES		05/01/2015 20:17
04-21-15-PWA-2	D143-13	RES		05/02/2015 01:57

Matrix ID: AQ Method Batch: VO01E03

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E03L	VO01E03L	RES	LCS	05/04/2015 18:30
VO01E03C	VO01E03C	RES	LCSD	05/04/2015 18:59
04-21-15-FDUP-2	D143-03J	DL		05/04/2015 20:23
04-21-15-EPAS-3	D143-04J	DL		05/04/2015 20:53
04-21-15-PWA-2	D143-13J	DL		05/04/2015 21:23

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO01D22

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D22L	VO01D22L	RES	LCS	04/24/2015 11:42
VO01D22C	VO01D22C	RES	LCSD	04/24/2015 12:07
04-21-15-WA-1	D143-01	RES		04/24/2015 13:40
04-21-15-WA-1MS	D143-01M	RES	MS	04/24/2015 14:05
04-21-15-WA-1MSD	D143-01S	RES	MSD	04/24/2015 14:30
04-21-15-WA-5	D143-05	RES		04/24/2015 17:50
04-21-15-WA-9	D143-08	RES		04/24/2015 18:15
04-21-15-PWA-3	D143-09	RES		04/24/2015 18:40
04-21-15-PWA-7A	D143-10	RES		04/24/2015 19:05
04-21-15-EPAS-1	D143-07I	DL		04/24/2015 19:30
04-21-15-EPAS-1	D143-07	RES		04/24/2015 20:45
04-21-15-FDUP-2	D143-03	RES		04/24/2015 21:35
04-21-15-EPAS-3	D143-04	RES		04/24/2015 22:00

Matrix ID: AQ Method Batch: VO01D23

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D23L	VO01D23L	RES	LCS	04/27/2015 13:43
VO01D23C	VO01D23C	RES	LCSD	04/27/2015 14:08
04-21-15-EPAS-2	D143-14I	DL		04/27/2015 16:41
04-21-15-EB-1	D143-12	RES		04/27/2015 17:06
04-21-15-EPAS-2	D143-14	RES		04/27/2015 18:21
04-21-15-FDUP-2	D143-03I	DL		04/27/2015 18:46
04-21-15-EPAS-3	D143-04I	DL		04/27/2015 19:11
04-21-15-PWA-2	D143-13I	DL		04/27/2015 20:01
04-21-15-PWA-2	D143-13J	DL2		04/27/2015 20:26

Matrix ID: AQ Method Batch: VO01E02

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E02L	VO01E02L	RES	LCS	05/04/2015 14:28
VO01E02C	VO01E02C	RES	LCSD	05/04/2015 14:54
04-21-15-WA-3	D143-16I	DL		05/04/2015 15:49
04-21-15-WA-3	D143-16N	RES		05/04/2015 16:14

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D143 **Laboratory :** EMXT **Lab Report Date :** 05/11/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
8151									
	04-21-15-EB-1	D143-12	RES	METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/25/2015
	04-21-15-EPAS-1	D143-07I		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/27/2015
	04-21-15-EPAS-2	D143-14I		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/27/2015
	04-21-15-EPAS-3	D143-04J		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/27/2015
	04-21-15-FDUP-2	D143-03J		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/27/2015
	04-21-15-PWA-2	D143-13K		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/27/2015
	04-21-15-PWA-3	D143-09		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/25/2015
	04-21-15-PWA-7A	D143-10		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/25/2015
	04-21-15-WA-1	D143-01		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/25/2015
	04-21-15-WA-3	D143-16I		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/27/2015
	04-21-15-WA-5	D143-05		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/25/2015
	04-21-15-WA-9	D143-08		METHOD	AQ	04/21/2015	04/22/2015	04/24/2015	04/25/2015
8260B									
	04-21-15-EB-1	D143-12	RES	5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-EPAS-1	D143-07		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
		D143-07I	DL	5030B	AQ	04/21/2015	04/22/2015	05/01/2015	05/01/2015
	04-21-15-EPAS-2	D143-14	RES	5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-EPAS-3	D143-04		5030B	AQ	04/21/2015	04/22/2015	05/01/2015	05/01/2015
		D143-04J	DL	5030B	AQ	04/21/2015	04/22/2015	05/04/2015	05/04/2015
	04-21-15-FDUP-2	D143-03	RES	5030B	AQ	04/21/2015	04/22/2015	05/01/2015	05/01/2015
		D143-03J	DL	5030B	AQ	04/21/2015	04/22/2015	05/04/2015	05/04/2015
	04-21-15-PWA-2	D143-13	RES	5030B	AQ	04/21/2015	04/22/2015	05/02/2015	05/02/2015
		D143-13J	DL	5030B	AQ	04/21/2015	04/22/2015	05/04/2015	05/04/2015
	04-21-15-PWA-3	D143-09	RES	5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-PWA-7A	D143-10		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-TB-2	D143-02		5030B	AQ	04/21/2015	04/22/2015	05/01/2015	05/01/2015
	04-21-15-TB-3	D143-11		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-TB-4	D143-06		5030B	AQ	04/21/2015	04/22/2015	05/01/2015	05/01/2015
	04-21-15-TB-5	D143-15		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-WA-1	D143-01		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-WA-3	D143-16		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D143 **Laboratory :** EMXT **Lab Report Date :** 05/11/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-21-15-WA-5	D143-05	RES	5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
	04-21-15-WA-9	D143-08		5030B	AQ	04/21/2015	04/22/2015	04/30/2015	04/30/2015
8260B SIM									
	04-21-15-EB-1	D143-12	RES	5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
	04-21-15-EPAS-1	D143-07		5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
		D143-07I	DL	5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
	04-21-15-EPAS-2	D143-14	RES	5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
		D143-14I	DL	5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
	04-21-15-EPAS-3	D143-04	RES	5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
		D143-04I	DL	5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
	04-21-15-FDUP-2	D143-03	RES	5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
		D143-03I	DL	5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
	04-21-15-PWA-2	D143-13I		5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
		D143-13J	DL2	5030B	AQ	04/21/2015	04/22/2015	04/27/2015	04/27/2015
	04-21-15-PWA-3	D143-09	RES	5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
	04-21-15-PWA-7A	D143-10		5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
	04-21-15-WA-1	D143-01		5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
	04-21-15-WA-3	D143-16I	DL	5030B	AQ	04/21/2015	04/22/2015	05/04/2015	05/04/2015
		D143-16N	RES	5030B	AQ	04/21/2015	04/22/2015	05/04/2015	05/04/2015
	04-21-15-WA-5	D143-05		5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015
	04-21-15-WA-9	D143-08		5030B	AQ	04/21/2015	04/22/2015	04/24/2015	04/24/2015

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : VO01D22 **Analysis Method :** 8260B SIM **Analysis Date :** 04/24/2015

Preparation Batch : VO01D22 **Preparation Type :** 5030B **Preparation Date :** 04/24/2015

Lab Reporting Batch : 15D143 **Lab ID:** EMXT

				Reported *		Project Limits (Percent)			
Client Sample ID	**Lab Sample ID**	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
04-21-15-WA-1MSD	D143-01S	AQ	1,2,3-TRICHLOROPROPANE	65		0.00	75.00	125.00	30.00

Associated Samples: **All samples in Method Batch**

Client Sample ID	**Lab Sample ID**
04-21-15-EPAS-1	D143-07I
04-21-15-EPAS-1	D143-07
04-21-15-EPAS-3	D143-04
04-21-15-FDUP-2	D143-03
04-21-15-PWA-3	D143-09
04-21-15-PWA-7A	D143-10
04-21-15-WA-1	D143-01
04-21-15-WA-5	D143-05
04-21-15-WA-9	D143-08

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Method Blank Outlier Report

Method Blank Lab Sample ID : VO01E01B
Preparation Batch : VO01E01
Preparation Date : 05/01/2015
Analysis Method : 8260B
Lab Reporting Batch : 15D143
Analysis Date : 05/01/2015
Preparation Type : 5030B
Lab ID: EMXT

METHYLENE CHLORIDE	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.62**	**1.0**	**UG/L**	**J**	

METHYLENE CHLORIDE was qualified as method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
04-21-15-PWA-2	D143-13	1	1.4		UG/L

Surrogate Recovery Outlier Report

Lab Report Batch: 15D143 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
04-21-15-EPAS-3	D143-04J	8151	1000	AQ	2,4-DCPAA	0.000000	40.0	140.0	10.0	All Target
04-21-15-FDUP-2	D143-03J	8151	1000	AQ	2,4-DCPAA	0.000000	40.0	140.0	10.0	All Target
04-21-15-PWA-2	D143-13K	8151	20000	AQ	2,4-DCPAA	0.000000	40.0	140.0	10.0	All Target

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: 15D143 **Lab ID:** EMXT

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifier	RPD Dup* (%)	RPD Criteria (%)	Result Units
8260B	AQ	1,1,2-TRICHLOROETHANE	04-21-15-EPAS-3	DL	100	U	04-21-15-FDUP-2	DL	100	U	200.0		UG/L
	AQ	1,1,2-TRICHLOROETHANE		RES	0.90	J		DL	100	U	200.0		UG/L
	AQ	1,1,2-TRICHLOROETHANE		DL	100	U		RES	0.78	J	200.0		UG/L
	AQ	1,1,2-TRICHLOROETHANE		RES	0.90	J		RES	0.78	J	14.3		UG/L
	AQ	1,1-DICHLOROETHANE		RES	0.44	J		DL	100	U	200.0		UG/L
	AQ	1,1-DICHLOROETHANE		DL	100	U		RES	0.35	J	200.0		UG/L
	AQ	1,1-DICHLOROETHANE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	1,1-DICHLOROETHANE		RES	0.44	J		RES	0.35	J	22.8		UG/L
	AQ	1,1-DICHLOROPROPENE		RES	0.63	J		DL	100	U	200.0		UG/L
	AQ	1,1-DICHLOROPROPENE		RES	0.63	J		RES	0.54	J	15.4		UG/L
	AQ	1,1-DICHLOROPROPENE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	1,1-DICHLOROPROPENE		DL	100	U		RES	0.54	J	200.0		UG/L
	AQ	1,2-DIBROMOETHANE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	1,2-DIBROMOETHANE		DL	100	U		RES	1.5		200.0		UG/L
	AQ	1,2-DIBROMOETHANE		RES	1.8			RES	1.5		18.2		UG/L
	AQ	1,2-DIBROMOETHANE		RES	1.8			DL	100	U	200.0		UG/L
	AQ	1,2-DICHLOROBENZENE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	1,2-DICHLOROBENZENE		DL	100	U		RES	0.42	J	200.0		UG/L
	AQ	1,2-DICHLOROBENZENE		RES	0.50	J		DL	100	U	200.0		UG/L
	AQ	1,2-DICHLOROBENZENE		RES	0.50	J		RES	0.42	J	17.4		UG/L
	AQ	1,2-DICHLOROETHANE		RES	3.1			DL	100	U	200.0		UG/L
	AQ	1,2-DICHLOROETHANE		RES	3.1			RES	2.7		13.8		UG/L
	AQ	1,2-DICHLOROETHANE		DL	100	U		RES	2.7		200.0		UG/L
	AQ	1,2-DICHLOROETHANE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	1,3-DICHLOROBENZENE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	1,3-DICHLOROBENZENE		DL	100	U		RES	1.0	U	200.0		UG/L
	AQ	1,3-DICHLOROBENZENE		RES	0.20	J		DL	100	U	200.0		UG/L

**Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.*

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: 15D143 **Lab ID:** EMXT

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifier	RPD Dup* (%)	RPD Criteria (%)	Result Units
8260B	AQ	1,3-DICHLOROBENZENE	04-21-15-EPAS-3	RES	0.20	J	04-21-15-FDUP-2	RES	1.0	U	200.0		UG/L
	AQ	1,3-DICHLOROPROPANE		RES	4.1			DL	50	U	200.0		UG/L
	AQ	1,3-DICHLOROPROPANE		DL	50	U		DL	50	U	200.0		UG/L
	AQ	1,3-DICHLOROPROPANE		DL	50	U		RES	3.5		200.0		UG/L
	AQ	1,3-DICHLOROPROPANE		RES	4.1			RES	3.5		15.8		UG/L
	AQ	BENZENE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	BENZENE		DL	100	U		RES	0.62	J	200.0		UG/L
	AQ	BENZENE		RES	0.73	J		RES	0.62	J	16.3		UG/L
	AQ	BENZENE		RES	0.73	J		DL	100	U	200.0		UG/L
	AQ	CHLOROBENZENE		RES	1.4			DL	100	U	200.0		UG/L
	AQ	CHLOROBENZENE		DL	100	U		DL	100	U	200.0		UG/L
	AQ	CHLOROBENZENE		DL	100	U		RES	1.2		200.0		UG/L
	AQ	CHLOROBENZENE		RES	1.4			RES	1.2		15.4		UG/L
	AQ	CHLOROFORM		RES	3.2			DL	100	U	200.0		UG/L
	AQ	CHLOROFORM		DL	100	U		DL	100	U	200.0		UG/L
	AQ	CHLOROFORM		RES	3.2			RES	2.6		20.7		UG/L
	AQ	CHLOROFORM		DL	100	U		RES	2.6		200.0		UG/L
	AQ	METHYLENE CHLORIDE		DL	100	U		RES	3.5		200.0		UG/L
	AQ	METHYLENE CHLORIDE		RES	4.1			DL	100	U	200.0		UG/L
	AQ	METHYLENE CHLORIDE		RES	4.1			RES	3.5		15.8		UG/L
	AQ	METHYLENE CHLORIDE		DL	100	U		DL	100	U	200.0		UG/L
8260B SIM	AQ	1,2-DIBROMOETHANE		DL	50	U		DL	50	U	200.0		UG/L
	AQ	1,2-DIBROMOETHANE		DL	50	U		RES	1.8		200.0		UG/L
	AQ	1,2-DIBROMOETHANE		RES	1.7			DL	50	U	200.0		UG/L
	AQ	1,2-DIBROMOETHANE		RES	1.7			RES	1.8		5.7		UG/L

**Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.*

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Reporting Limits Outlier Report

Lab Report Batch: 15D143 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-21-15-EPAS-1	D143-07I	8260B	AQ	CHLOROFORM	J	7.1	10.00	UG/L
04-21-15-EPAS-2	D143-14	8260B	AQ	1,2-DIBROMO-3-CHLOROPROPANE	J	0.71	1.00	UG/L
				METHYLENE CHLORIDE	J	0.70	1.00	UG/L
04-21-15-EPAS-3	D143-04	8260B	AQ	1,1,2-TRICHLOROETHANE	J	0.90	1.00	UG/L
				1,1-DICHLOROETHANE	J	0.44	1.00	UG/L
				1,1-DICHLOROPROPENE	J	0.63	1.00	UG/L
				1,2-DICHLOROBENZENE	J	0.50	1.00	UG/L
				1,3-DICHLOROBENZENE	J	0.20	1.00	UG/L
				BENZENE	J	0.73	1.00	UG/L
04-21-15-FDUP-2	D143-03	8260B	AQ	1,1,2-TRICHLOROETHANE	J	0.78	1.00	UG/L
				1,1-DICHLOROETHANE	J	0.35	1.00	UG/L
				1,1-DICHLOROPROPENE	J	0.54	1.00	UG/L
				1,2-DICHLOROBENZENE	J	0.42	1.00	UG/L
				BENZENE	J	0.62	1.00	UG/L
04-21-15-PWA-2	D143-13	8260B	AQ	1,1,2-TRICHLOROETHANE	J	0.79	1.00	UG/L
				1,1-DICHLOROETHANE	J	0.26	1.00	UG/L
				1,1-DICHLOROPROPENE	J	0.28	1.00	UG/L
	D143-13J			1,2-DIBROMOETHANE	J	26	100.00	UG/L
	D143-13			1,2-DICHLOROBENZENE	J	0.26	1.00	UG/L
				BENZENE	J	0.73	1.00	UG/L
				CIS-1,3-DICHLOROPROPENE	J	0.30	1.00	UG/L
				TRANS-1,3-DICHLOROPROPENE	J	0.27	1.00	UG/L
	D143-13J	8260B SIM		1,2-DIBROMOETHANE	J	39	50.00	UG/L
04-21-15-PWA-3	D143-09	8260B	AQ	1,2-DICHLOROPROPANE	J	0.26	1.00	UG/L
04-21-15-PWA-7A	D143-10	8151	AQ	DINOSEB	J	0.30	0.40	UG/L
		8260B		CHLOROFORM	J	0.28	1.00	UG/L
04-21-15-WA-1	D143-01	8260B	AQ	1,2,3-TRICHLOROPROPANE	J	0.91	1.00	UG/L
				BROMODICHLOROMETHANE	J	0.44	1.00	UG/L
				MTBE	J	0.91	1.00	UG/L
04-21-15-WA-3	D143-16	8260B	AQ	1,2-DICHLOROPROPANE	J	0.21	1.00	UG/L

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Reporting Limits Outlier Report

Lab Report Batch: 15D143 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-21-15-WA-5	D143-05	8260B	AQ	1,1-DICHLOROETHENE	J	0.44	1.00	UG/L
				CHLOROFORM	J	0.56	1.00	UG/L
				METHYLENE CHLORIDE	J	0.94	1.00	UG/L
				TETRACHLOROETHENE	J	0.23	1.00	UG/L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EB-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-12

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EB-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-12

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EB-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-12

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0050	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-07

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	78	UG/L	E	NO															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.5	UG/L		YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	19	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-07

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	7.5	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	71	UG/L	E	NO	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	1.8	UG/L		YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-07I

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	10	UG/L	U	NO															
1,1,1-TRICHLOROETHANE	10	UG/L	U	NO															
1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	NO															
1,1,2-TRICHLOROETHANE	10	UG/L	U	NO															
1,1-DICHLOROETHANE	10	UG/L	U	NO															
1,1-DICHLOROETHENE	10	UG/L	U	NO															
1,1-DICHLOROPROPENE	10	UG/L	U	NO															
1,2,3-TRICHLOROBENZENE	10	UG/L	U	NO															
1,2,3-TRICHLOROPROPANE	72	UG/L		YES															
1,2,4-TRICHLOROBENZENE	10	UG/L	U	NO															
1,2,4-TRIMETHYLBENZENE	10	UG/L	U	NO															
1,2-DIBROMO-3-CHLOROPROPANE	10	UG/L	U	NO															
1,2-DIBROMOETHANE	10	UG/L	U	NO															
1,2-DICHLOROBENZENE	10	UG/L	U	NO															
1,2-DICHLOROETHANE	10	UG/L	U	NO															
1,2-DICHLOROPROPANE	18	UG/L		NO															
1,3,5-TRIMETHYLBENZENE	10	UG/L	U	NO															
1,3-DICHLOROBENZENE	10	UG/L	U	NO															
1,3-DICHLOROPROPANE	5.0	UG/L	U	NO															
1,4-DICHLOROBENZENE	10	UG/L	U	NO															
2,2-DICHLOROPROPANE	10	UG/L	U	NO															
2-BUTANONE	100	UG/L	U	NO															
2-CHLOROTOLUENE	10	UG/L	U	NO															
2-HEXANONE	100	UG/L	U	NO															
4-CHLOROTOLUENE	10	UG/L	U	NO															
ACETONE	100	UG/L	U	NO															
BENZENE	10	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-07I

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	10	UG/L	U	NO															
BROMOCHLOROMETHANE	10	UG/L	U	NO															
BROMODICHLOROMETHANE	10	UG/L	U	NO															
BROMOFORM	10	UG/L	U	NO															
BROMOMETHANE	10	UG/L	U	NO															
CARBON DISULFIDE	10	UG/L	U	NO															
CARBON TETRACHLORIDE	10	UG/L	U	NO															
CHLOROBENZENE	10	UG/L	U	NO															
CHLOROETHANE	10	UG/L	U	NO															
CHLOROFORM	7.1	UG/L	J	NO	**J**								J						L
CHLOROMETHANE	10	UG/L	U	NO															
CIS-1,2-DICHLOROETHENE	10	UG/L	U	NO															
CIS-1,3-DICHLOROPROPENE	10	UG/L	U	NO															
DIBROMOCHLOROMETHANE	10	UG/L	U	NO															
DIBROMOMETHANE	10	UG/L	U	NO															
DICHLORODIFLUOROMETHANE	10	UG/L	U	NO															
ETHYLBENZENE	10	UG/L	U	NO															
FREON113	10	UG/L	U	NO															
HEXACHLOROBUTADIENE	10	UG/L	U	NO															
ISOPROPYL BENZENE	10	UG/L	U	NO															
M,P-XYLENES	10	UG/L	U	NO															
METHYLENE CHLORIDE	10	UG/L	U	NO															
MIBK	100	UG/L	U	NO															
MTBE	10	UG/L	U	NO															
NAPHTHALENE	10	UG/L	U	NO															
N-BUTYLBENZENE	10	UG/L	U	NO															
N-PROPYLBENZENE	10	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-07I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	10	UG/L	U	NO															
P-ISOPROPYLTOLUENE	10	UG/L	U	NO															
SEC-BUTYLBENZENE	10	UG/L	U	NO															
STYRENE	10	UG/L	U	NO															
TERT-BUTYLBENZENE	10	UG/L	U	NO															
TETRACHLOROETHENE	10	UG/L	U	NO															
TOLUENE	10	UG/L	U	NO															
TRANS-1,2-DICHLOROETHENE	10	UG/L	U	NO															
TRANS-1,3-DICHLOROPROPENE	10	UG/L	U	NO															
TRICHLOROETHENE	10	UG/L	U	NO															
TRICHLOROFLUOROMETHANE	10	UG/L	U	NO															
VINYL ACETATE	20	UG/L	U	NO															
VINYL CHLORIDE	10	UG/L	U	NO															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	70	UG/L		YES	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	25	UG/L	U	NO															
1,2-DIBROMOETHANE	25	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-07I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	12	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-14

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	5.4	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.71	UG/L	J	YES	**J**								J						L
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	42	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-14

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	3.1	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	0.70	UG/L	J	YES	**J**								J						L
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-14

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	5.3	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L		YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-14I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	4.8	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	5.0	UG/L	U	NO															
1,2-DIBROMOETHANE	5.0	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-14I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	5.7	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	0.90	UG/L	J	YES	**J**								J						L,P
1,1-DICHLOROETHANE	0.44	UG/L	J	YES	**J**								J						L,P
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	0.63	UG/L	J	YES	**J**								J						L,P
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	480	UG/L	E	NO															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	320	UG/L	E	NO															
1,2-DIBROMOETHANE	1.8	UG/L		YES															P
1,2-DICHLOROBENZENE	0.50	UG/L	J	YES	**J**								J						L,P
1,2-DICHLOROETHANE	3.1	UG/L		YES															P
1,2-DICHLOROPROPANE	860	UG/L	E	NO															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	0.20	UG/L	J	YES	**J**								J						L,P
1,3-DICHLOROPROPANE	4.1	UG/L		YES															P
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	0.73	UG/L	J	YES	**J**								J						L,P

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.4	UG/L		YES															P
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	3.2	UG/L		YES															P
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	4.1	UG/L		YES															P
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	460	UG/L	E	NO	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	270	UG/L	E	NO															
1,2-DIBROMOETHANE	1.7	UG/L		YES															P

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-04I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	510	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	260	UG/L		YES															
1,2-DIBROMOETHANE	50	UG/L	U	NO															P

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-04J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	100	UG/L	U	NO															
1,1,1-TRICHLOROETHANE	100	UG/L	U	NO															
1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	NO															
1,1,2-TRICHLOROETHANE	100	UG/L	U	NO															P
1,1-DICHLOROETHANE	100	UG/L	U	NO															P
1,1-DICHLOROETHENE	100	UG/L	U	NO															
1,1-DICHLOROPROPENE	100	UG/L	U	NO															P
1,2,3-TRICHLOROBENZENE	100	UG/L	U	NO															
1,2,3-TRICHLOROPROPANE	460	UG/L		YES															
1,2,4-TRICHLOROBENZENE	100	UG/L	U	NO															
1,2,4-TRIMETHYLBENZENE	100	UG/L	U	NO															
1,2-DIBROMO-3-CHLOROPROPANE	210	UG/L		YES															
1,2-DIBROMOETHANE	100	UG/L	U	NO															P
1,2-DICHLOROBENZENE	100	UG/L	U	NO															P
1,2-DICHLOROETHANE	100	UG/L	U	NO															P
1,2-DICHLOROPROPANE	3000	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	100	UG/L	U	NO															
1,3-DICHLOROBENZENE	100	UG/L	U	NO															P
1,3-DICHLOROPROPANE	50	UG/L	U	NO															P
1,4-DICHLOROBENZENE	100	UG/L	U	NO															
2,2-DICHLOROPROPANE	100	UG/L	U	NO															
2-BUTANONE	1000	UG/L	U	NO															
2-CHLOROTOLUENE	100	UG/L	U	NO															
2-HEXANONE	1000	UG/L	U	NO															
4-CHLOROTOLUENE	100	UG/L	U	NO															
ACETONE	1000	UG/L	U	NO															
BENZENE	100	UG/L	U	NO															P

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-04J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	100	UG/L	U	NO															
BROMOCHLOROMETHANE	100	UG/L	U	NO															
BROMODICHLOROMETHANE	100	UG/L	U	NO															
BROMOFORM	100	UG/L	U	NO															
BROMOMETHANE	100	UG/L	U	NO															
CARBON DISULFIDE	100	UG/L	U	NO															
CARBON TETRACHLORIDE	100	UG/L	U	NO															
CHLOROBENZENE	100	UG/L	U	NO															P
CHLOROETHANE	100	UG/L	U	NO															
CHLOROFORM	100	UG/L	U	NO															P
CHLOROMETHANE	100	UG/L	U	NO															
CIS-1,2-DICHLOROETHENE	100	UG/L	U	NO															
CIS-1,3-DICHLOROPROPENE	100	UG/L	U	NO															
DIBROMOCHLOROMETHANE	100	UG/L	U	NO															
DIBROMOMETHANE	100	UG/L	U	NO															
DICHLORODIFLUOROMETHANE	100	UG/L	U	NO															
ETHYLBENZENE	100	UG/L	U	NO															
FREON113	100	UG/L	U	NO															
HEXACHLOROBUTADIENE	100	UG/L	U	NO															
ISOPROPYL BENZENE	100	UG/L	U	NO															
M,P-XYLENES	100	UG/L	U	NO															
METHYLENE CHLORIDE	100	UG/L	U	NO															P
MIBK	1000	UG/L	U	NO															
MTBE	100	UG/L	U	NO															
NAPHTHALENE	100	UG/L	U	NO															
N-BUTYLBENZENE	100	UG/L	U	NO															
N-PROPYLBENZENE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-04J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
O-XYLENE	100	UG/L	U	NO															
P-ISOPROPYLTOLUENE	100	UG/L	U	NO															
SEC-BUTYLBENZENE	100	UG/L	U	NO															
STYRENE	100	UG/L	U	NO															
TERT-BUTYLBENZENE	100	UG/L	U	NO															
TETRACHLOROETHENE	100	UG/L	U	NO															
TOLUENE	100	UG/L	U	NO															
TRANS-1,2-DICHLOROETHENE	100	UG/L	U	NO															
TRANS-1,3-DICHLOROPROPENE	100	UG/L	U	NO															
TRICHLOROETHENE	100	UG/L	U	NO															
TRICHLOROFLUOROMETHANE	100	UG/L	U	NO															
VINYL ACETATE	200	UG/L	U	NO															
VINYL CHLORIDE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-EPAS-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-04J

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	730	UG/L		YES	**J-**							J-							G-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-03

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	0.78	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHANE	0.35	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	0.54	UG/L	J	YES	**J**								J						L
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	440	UG/L	E	NO															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	290	UG/L	E	NO															
1,2-DIBROMOETHANE	1.5	UG/L		YES															
1,2-DICHLOROBENZENE	0.42	UG/L	J	YES	**J**								J						L
1,2-DICHLOROETHANE	2.7	UG/L		YES															
1,2-DICHLOROPROPANE	790	UG/L	E	NO															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															P
1,3-DICHLOROPROPANE	3.5	UG/L		YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	0.62	UG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-03

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.2	UG/L		YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	2.6	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	3.5	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	460	UG/L	E	NO	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	260	UG/L	E	NO															
1,2-DIBROMOETHANE	1.8	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-03I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	520	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	280	UG/L		YES															
1,2-DIBROMOETHANE	50	UG/L	U	NO															P

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-03J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	100	UG/L	U	NO															
1,1,1-TRICHLOROETHANE	100	UG/L	U	NO															
1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	NO															
1,1,2-TRICHLOROETHANE	100	UG/L	U	NO															P
1,1-DICHLOROETHANE	100	UG/L	U	NO															P
1,1-DICHLOROETHENE	100	UG/L	U	NO															
1,1-DICHLOROPROPENE	100	UG/L	U	NO															P
1,2,3-TRICHLOROBENZENE	100	UG/L	U	NO															
1,2,3-TRICHLOROPROPANE	450	UG/L		YES															
1,2,4-TRICHLOROBENZENE	100	UG/L	U	NO															
1,2,4-TRIMETHYLBENZENE	100	UG/L	U	NO															
1,2-DIBROMO-3-CHLOROPROPANE	190	UG/L		YES															
1,2-DIBROMOETHANE	100	UG/L	U	NO															P
1,2-DICHLOROBENZENE	100	UG/L	U	NO															P
1,2-DICHLOROETHANE	100	UG/L	U	NO															P
1,2-DICHLOROPROPANE	2700	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	100	UG/L	U	NO															
1,3-DICHLOROBENZENE	100	UG/L	U	NO															P
1,3-DICHLOROPROPANE	50	UG/L	U	NO															P
1,4-DICHLOROBENZENE	100	UG/L	U	NO															
2,2-DICHLOROPROPANE	100	UG/L	U	NO															
2-BUTANONE	1000	UG/L	U	NO															
2-CHLOROTOLUENE	100	UG/L	U	NO															
2-HEXANONE	1000	UG/L	U	NO															
4-CHLOROTOLUENE	100	UG/L	U	NO															
ACETONE	1000	UG/L	U	NO															
BENZENE	100	UG/L	U	NO															P

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-03J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	100	UG/L	U	NO															
BROMOCHLOROMETHANE	100	UG/L	U	NO															
BROMODICHLOROMETHANE	100	UG/L	U	NO															
BROMOFORM	100	UG/L	U	NO															
BROMOMETHANE	100	UG/L	U	NO															
CARBON DISULFIDE	100	UG/L	U	NO															
CARBON TETRACHLORIDE	100	UG/L	U	NO															
CHLOROBENZENE	100	UG/L	U	NO															P
CHLOROETHANE	100	UG/L	U	NO															
CHLOROFORM	100	UG/L	U	NO															P
CHLOROMETHANE	100	UG/L	U	NO															
CIS-1,2-DICHLOROETHENE	100	UG/L	U	NO															
CIS-1,3-DICHLOROPROPENE	100	UG/L	U	NO															
DIBROMOCHLOROMETHANE	100	UG/L	U	NO															
DIBROMOMETHANE	100	UG/L	U	NO															
DICHLORODIFLUOROMETHANE	100	UG/L	U	NO															
ETHYLBENZENE	100	UG/L	U	NO															
FREON113	100	UG/L	U	NO															
HEXACHLOROBUTADIENE	100	UG/L	U	NO															
ISOPROPYL BENZENE	100	UG/L	U	NO															
M,P-XYLENES	100	UG/L	U	NO															
METHYLENE CHLORIDE	100	UG/L	U	NO															P
MIBK	1000	UG/L	U	NO															
MTBE	100	UG/L	U	NO															
NAPHTHALENE	100	UG/L	U	NO															
N-BUTYLBENZENE	100	UG/L	U	NO															
N-PROPYLBENZENE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-03J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
O-XYLENE	100	UG/L	U	NO															
P-ISOPROPYLTOLUENE	100	UG/L	U	NO															
SEC-BUTYLBENZENE	100	UG/L	U	NO															
STYRENE	100	UG/L	U	NO															
TERT-BUTYLBENZENE	100	UG/L	U	NO															
TETRACHLOROETHENE	100	UG/L	U	NO															
TOLUENE	100	UG/L	U	NO															
TRANS-1,2-DICHLOROETHENE	100	UG/L	U	NO															
TRANS-1,3-DICHLOROPROPENE	100	UG/L	U	NO															
TRICHLOROETHENE	100	UG/L	U	NO															
TRICHLOROFLUOROMETHANE	100	UG/L	U	NO															
VINYL ACETATE	200	UG/L	U	NO															
VINYL CHLORIDE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-FDUP-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-03J

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	840	UG/L		YES	**J-**							J-							G-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-13

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	0.79	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHANE	0.26	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	0.28	UG/L	J	YES	**J**								J						L
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	440	UG/L	E	NO															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	220	UG/L	E	NO															
1,2-DIBROMOETHANE	33	UG/L		YES															
1,2-DICHLOROBENZENE	0.26	UG/L	J	YES	**J**								J						L
1,2-DICHLOROETHANE	3.4	UG/L		YES															
1,2-DICHLOROPROPANE	740	UG/L	E	NO															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	3.4	UG/L		YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	0.73	UG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-13

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.1	UG/L		YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	3.7	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	0.30	UG/L	J	YES	**J**								J						L
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.4	UG/L		YES	**U**			U											F
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-13

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	0.27	UG/L	J	YES	**J**								J						L
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-13I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	430	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	180	UG/L		YES															
1,2-DIBROMOETHANE	37	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-13J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	100	UG/L	U	NO															
1,1,1-TRICHLOROETHANE	100	UG/L	U	NO															
1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	NO															
1,1,2-TRICHLOROETHANE	100	UG/L	U	NO															
1,1-DICHLOROETHANE	100	UG/L	U	NO															
1,1-DICHLOROETHENE	100	UG/L	U	NO															
1,1-DICHLOROPROPENE	100	UG/L	U	NO															
1,2,3-TRICHLOROBENZENE	100	UG/L	U	NO															
1,2,3-TRICHLOROPROPANE	380	UG/L		YES															
1,2,4-TRICHLOROBENZENE	100	UG/L	U	NO															
1,2,4-TRIMETHYLBENZENE	100	UG/L	U	NO															
1,2-DIBROMO-3-CHLOROPROPANE	140	UG/L		YES															
1,2-DIBROMOETHANE	26	UG/L	J	NO	**J**								J						L
1,2-DICHLOROBENZENE	100	UG/L	U	NO															
1,2-DICHLOROETHANE	100	UG/L	U	NO															
1,2-DICHLOROPROPANE	2400	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	100	UG/L	U	NO															
1,3-DICHLOROBENZENE	100	UG/L	U	NO															
1,3-DICHLOROPROPANE	50	UG/L	U	NO															
1,4-DICHLOROBENZENE	100	UG/L	U	NO															
2,2-DICHLOROPROPANE	100	UG/L	U	NO															
2-BUTANONE	1000	UG/L	U	NO															
2-CHLOROTOLUENE	100	UG/L	U	NO															
2-HEXANONE	1000	UG/L	U	NO															
4-CHLOROTOLUENE	100	UG/L	U	NO															
ACETONE	1000	UG/L	U	NO															
BENZENE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-13J

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	100	UG/L	U	NO															
BROMOCHLOROMETHANE	100	UG/L	U	NO															
BROMODICHLOROMETHANE	100	UG/L	U	NO															
BROMOFORM	100	UG/L	U	NO															
BROMOMETHANE	100	UG/L	U	NO															
CARBON DISULFIDE	100	UG/L	U	NO															
CARBON TETRACHLORIDE	100	UG/L	U	NO															
CHLOROBENZENE	100	UG/L	U	NO															
CHLOROETHANE	100	UG/L	U	NO															
CHLOROFORM	100	UG/L	U	NO															
CHLOROMETHANE	100	UG/L	U	NO															
CIS-1,2-DICHLOROETHENE	100	UG/L	U	NO															
CIS-1,3-DICHLOROPROPENE	100	UG/L	U	NO															
DIBROMOCHLOROMETHANE	100	UG/L	U	NO															
DIBROMOMETHANE	100	UG/L	U	NO															
DICHLORODIFLUOROMETHANE	100	UG/L	U	NO															
ETHYLBENZENE	100	UG/L	U	NO															
FREON113	100	UG/L	U	NO															
HEXACHLOROBUTADIENE	100	UG/L	U	NO															
ISOPROPYL BENZENE	100	UG/L	U	NO															
M,P-XYLENES	100	UG/L	U	NO															
METHYLENE CHLORIDE	100	UG/L	U	NO															
MIBK	1000	UG/L	U	NO															
MTBE	100	UG/L	U	NO															
NAPHTHALENE	100	UG/L	U	NO															
N-BUTYLBENZENE	100	UG/L	U	NO															
N-PROPYLBENZENE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-13J

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	100	UG/L	U	NO															
P-ISOPROPYLTOLUENE	100	UG/L	U	NO															
SEC-BUTYLBENZENE	100	UG/L	U	NO															
STYRENE	100	UG/L	U	NO															
TERT-BUTYLBENZENE	100	UG/L	U	NO															
TETRACHLOROETHENE	100	UG/L	U	NO															
TOLUENE	100	UG/L	U	NO															
TRANS-1,2-DICHLOROETHENE	100	UG/L	U	NO															
TRANS-1,3-DICHLOROPROPENE	100	UG/L	U	NO															
TRICHLOROETHENE	100	UG/L	U	NO															
TRICHLOROFLUOROMETHANE	100	UG/L	U	NO															
VINYL ACETATE	200	UG/L	U	NO															
VINYL CHLORIDE	100	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: D143-13J

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	430	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	180	UG/L		NO															
1,2-DIBROMOETHANE	39	UG/L	J	NO	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-13K

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	24000	UG/L		YES	**J-**							J-							G-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.26	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-09

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	11	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	8.4	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.073	UG/L		YES	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-7A **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.30	UG/L	J	YES	**J**								J						L
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-7A **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-10

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.28	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	4.8	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-PWA-7A **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.52	UG/L		YES	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-02

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-02

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-2 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-11

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-11

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-4 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-4 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-4 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-5 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-15

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-5 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-15

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-TB-5 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-15

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	0.91	UG/L	J	YES	**J**								J						L
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-01

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	0.44	UG/L	J	YES	**J**								J						L
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	4.6	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	3.5	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	0.91	UG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-1 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	1.0	UG/L		YES	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-16

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	29	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.21	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-16

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-16

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D143-16I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	52	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	2.5	UG/L	U	NO															
1,2-DIBROMOETHANE	2.5	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-16I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	6.7	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-3 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-16N

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	52	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.26	UG/L		YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-5 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	0.44	UG/L	J	YES	**J**								J						L
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	5.3	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-5 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-05

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.56	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	0.94	UG/L	J	YES	**J**								J						L
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-5 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	0.23	UG/L	J	YES	**J**								J						L
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.50	UG/L		YES	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-9 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-9 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-08

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-21-15-WA-9 **Lab Report Batch :** 15D143 **Lab ID :** EMXT

Sample Date : 04/21/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D143-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.059	UG/L		YES	**J-**					J-									H-
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															

Data Validation Report

Groundwater Monitoring Data

for
Brown & Bryant

Arvin, CA
Project No.: Eco-13-601

SDG#: 15D143

LEVEL III & IV

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April, 2015

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EXECUTIVE SUMMARY

This data validation report presents the evaluation and validation of the analytical data for sixteen (16) ground water samples collected on 04-21-15 as part of biannually groundwater monitoring at Brown and Bryant, Arvin, California (CA). EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. The United States Army Corps of Engineers and the State of California have certified EMAX Laboratory to perform the analysis described within this project. (Eco & Associates Inc., April2013).

Sixteen (16) ground water samples, which included four trip blank samples, one equipment blank sample, one field duplicate sample and one pair of sample as MS/MSD, were collected on 04-21-14. EMAX Laboratory received the samples on 04-22-14. Trip blank samples accompanied the samples for volatile organic compounds and were analyzed for EPA Method 8260B only. The data was delivered in one package as Level III and Level IV deliverables. 10% of the data was subjected to validation equivalent to EPA Level IV data validation. Raw data for one sample from this sample group (04-21-15- PWA-3) was submitted as level IV deliverable for all the requested analytical methods. Raw data for designated sample as MS/MSD (04-21-15- WA-1) together with all other QC samples were also submitted.

Level III data validation examined quality assurance/quality control (QA/QC) elements such as holding time, (both extraction and analysis), critical quality control measures, completeness of the results, extraction logs, instrument injection logs and summaries of initial and continuing calibrations for the following EPA methods of analysis:

Volatile Organic Compounds by EPA Method **5030B**/**8260B**
Fumigants (EDB, DBCP & 1,2,3-Trichloropropane) by EPA Method **5030B/8260B SIM**
Dinoseb by EPA Method **8151A**

At level IV data validation, the analytical results, QC results, initial calibration and related continuing calibration summary tables were comprehensively compared with the corresponding raw data and chromatograms presented with level IV data package.

All samples were analyzed for each of the components listed in the corresponding EPA Methods. The evaluation indicated that all the analytical work was performed as requested on the chain of custody. The extraction and analytical holding times were met for all samples in each method and subsequent dilutions.

Generally, data presented with this data package was considered acceptable and met quality control acceptance limits for each EPA Method, with some technical variations. The deviations are discussed in section 4.0 for each method. The results of sample analysis are tabulated in Appendix A.

1.0 INTRODUCTION

This report presents the evaluation and validation of analytical data collected as part of biannually groundwater monitoring at Brown and Bryant Superfund Site at Arvin, California.

1.1 Objectives and Scope of Data Validation

The main objective of this report is to evaluate the acceptability of groundwater data. The data validation was performed according to the analytical requirements of the method in the *Quality Assurance Project Plan, final Draft, Brown and Bryant, Arvin, CA,* (Project No: Eco-13-601, Eco & Associates Inc. December 2013), EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005, *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002) and Department of Defense Quality Systems Manual (DoD QSM) Version 4.2, 2010 .

1.2 Organization of the Report

Section 2.0 describes the components of the data review. Section 3.0 provides the qualitative quality assurance objectives. Section 4.0 summarizes the findings and conclusions of the data validation.

2.0 DATA REVIEW AND VALIDATION

Data validation is a systematic method for reviewing and qualifying the presented analytical data for their intended use. The objective of this data validation report is to identify any unacceptable or faulty measurements if any, as reported by the laboratory.

EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. Army Corps of Engineers and the State of California have certified EMAX laboratory to perform the EPA Methods of analysis described within this report.

Sixteen (16) ground water samples, which included four trip blank samples, one field duplicate sample, a pair of sample for MS/MSD and one equipment blank sample, were collected on 04-21-15. EMAX Laboratory received the samples on 04-22-15.

2.1 Data Reporting

The data was delivered in one package as Level III and Level IV deliverables. Ten percent of the data was subjected to validation equivalent to EPA Level IV data validation. EMAX Laboratory provided the following information in one data package for both LEVEL III and LEVEL IV deliverable.

- Sample identification number;
- Date of sample collection;
- Sample matrix type;
- Analysis method;
- Target lists and results of analysis;
- Quantitation limits and/or Reporting Limits;
- Laboratory qualifiers and qualifier definitions;
- Copies of sample logs and chain-of-custody logs;
- Sample preparation log (with the sample extraction date)
- Sample Analysis log (Instrument injection log with date and time of injection)
- Summary of initial and continuing calibrations;
- Quality control results and recoveries.

- Case narrative for each method.
- Raw data for all the initial calibration standards, Initial calibration verification standards (ICV), continuing calibration standards (CCV), ion fragments for positive hits, internal standard area counts and retention time window width, where applicable. Raw data for one sample (04-21-15- PWA-3) marked as level IV in the chain of custody as well as sample designated as MS/MSD (04-21-15-WA-1); together with the associated QC samples were also included.

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Data validation was performed in three stages: first an initial review of the analytical reports and QA/QC information was performed using summary results and summary tables only. Then, a full review of all analytical reports, QA/QC information, as well as the corresponding raw and analytical data was carried out. Finally summary tables and corresponding raw data of initial and continuing calibration standards, the extraction log, and injection (sequence) log were fully reviewed. Overall review assessed the effects of QA/QC results on the data usability. The review included such parameters as holding times, initial and continuing calibration method requirements, equipment performance check standards (Instrument tune check and degradation standards), surrogate recoveries, method blank results, lab control sample (LCS) and matrix spike/matrix spike duplicate (MS/MSD) for accuracy and precision.

Level IV data review compared the reported analytical results with those obtained from the raw data. Raw data was submitted for one sample at Level IV data deliverable for all the analytical methods requested on the chain of custody. Calculations and corresponding equations, as well as analyte identification criteria were all verified.

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2.2 Data Evaluation

The following parameters were evaluated in the preliminary data review:

- Analysis performed and sample identifications were verified to be in accordance with the information provided on the chain-of-custody (COC);
- Technical holding times were confirmed for all samples with regard to the requested method of analysis (collection to extraction and extraction to analysis);

- Reported quantitation limits were compared with the project measurement objectives;
- Initial and continuing calibration standards were evaluated;
- Equipment performance standards (tuning check standard) was evaluated
- Field and laboratory blank results were evaluated;
- LCS/LCSD and MS/MSD results were evaluated;
- Field and laboratory matrix duplicate results, trip blank results as well as surrogate recoveries, internal standards and instrument performance check compounds were evaluated.
- Chromatograms and mass spectrum results as well as ion fragments for positive hits were evaluated

The following is a list of sample identifications and corresponding laboratory sample identification numbers:

CLIENT ID		EMAX ID#	
04-21-15-WA-1	D143-01	04-21-15- TB-3	D143-11
04-21-15- TB-2	D143-02	04-21-15- EB-1	D143-12
04-21-15- FDUP-2	D143-03	04-21-15- PWA-2	D143-13
04-21-15- EPAS-3	D143-04	04-21-15- EPAS-2	D143-14
04-21-15- WA-5	D143-05	04-21-15- TB-5	D143-15
04-21-15- TB-4	D143-06	04-21-15- WA-3	D143-16
04-21-15-EPAS-1	D143-07	04-21-15-WA-1 MS	D143-01MS
04-21-15-WA-9	D143-08	04-21-15-WA-1 MSD	D143-01MS
04-21-15- PWA-3	D143-09		
04-21-15- PWA-7A	D143-10		

Field duplicate and associated sample	
04-21-15- FDUP-2	04-21-15- EPAS-3

Table 2-1 below shows the specified analysis for constituents in the water samples, the corresponding Environmental Protection Agency (EPA) analytical method and the corresponding practical quantitation limits (PQL/RL).

TABLE 2-1
Summary of Analytical Parameters
Brown & Bryant, Arvin, California

MATRIX	CONSTITUENT	EPA METHOD	RLs (µg/L)
Water	Volatile Organic Compounds	8260B	1*
	Fumigants (EDB, DBCP and 1,2,3-Trichloropropane)	8260B SIM	0.05-0.05* 0.005(1,2,3-TCP)
	Herbicides (Dinoseb)	8151A	0.40

Notes:
* Reporting limits for each analyte is listed with corresponding sample result table in Appendix A
RL = Reporting Limit,
µg/L = microgram/Liter
mg/L= milligram/Liter

2.2.1 Holding Times

Technical holding times are defined as the maximum time allowed between sample collection, extraction and analysis. A 14-day collection-to-analysis holding time was used for EPA Method 8260B and 8260B SIM. Samples were acidified to pH less than 2. A 7-day holding time from collection to extraction, and 40-day holding time from extraction-to-analysis was met, for EPA Method 8151A.

TABLE 2-2
Summary of Analytical Methods and Holding Time Requirements
Brown & Bryant, Arvin, California

ANALYSIS Method	MATRIX	HOLDING TIME REQUIREMENT	DATA QUALIFIED AS "J"	DATA QUALIFIED AS "R"
EPA Method 8260B	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8260B SIM	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8151A	Water	7 days to extraction, 40 days to analysis	None. Holding times were met	None. Holding times were met

2.2.2 Laboratory and Field Blanks

The objective of laboratory and field blanks is to determine the presence and extent of contamination resulting from laboratory or field activities. Blanks reported here included method and/or extraction blanks, equipment blank and trip blanks. The result of analysis of method blank is discussed in section 4.0 for each method. All samples were transported in five ice preserved coolers and were stored in a refrigerator upon arrival to the laboratory. The temperatures of the coolers were recorded as 1.7˚C, to 3.8˚C for each upon arrival. All samples were received intact and in good condition.

3.0 QUALITY ASSURANCE OBJECTIVES

Quality assurance (QA) objectives define analytical parameters that validate the conclusions drawn from the results. Quality assurance was assessed through the following means: precision, accuracy, representativeness, completeness, and comparability (PARCC).

3.1 Qualitative QA Objectives

Qualitative aspects of QA for analytical data are characterized by completeness and representativeness.

3.1.1 Comparability

Comparability defines the level of confidence with which one data set can be compared with another. Comparability is related to accuracy and precision. It is also a measure of the data's reliability. All units for comparability are in accordance with standard procedures so that the results could be compared with other laboratories if necessary.

3.1.2 Representativeness

Representativeness is a quantity, which presents whether the results of analysis accurately portray the actual site conditions. Representativeness is a qualitative parameter, which signifies the extent of accuracy and precision, to which the data represent a characteristic population, parameter variations at a sampling point, process condition, or environmental conditions. The sampling procedures described within the approved QAPP (Eco & Associates, Inc., final version, April 2011) are designed to provide samples representative of the site conditions.

3.2 Quantitative QA Objectives

Quantitative QA Objectives for analytical data are defined as precision, accuracy, completeness, and method quantitation limits. These quantitative parameters are established in order to monitor the overall quality of analytical data produced by the laboratory. The laboratory performing the analytical methods specified in Table 2-1, and the case narratives, which is included in the data package from the laboratory, ensures the quality of the analytical data.

3.2.1 Precision

Precision is a measure of the closeness with which multiple analyses of a given sample agree with each other. It describes the agreement between two or more measurements that have been made in exactly the same way. Precision is measured through matrix spike/matrix spike duplicate samples, and laboratory control sample/laboratory control sample duplicate analysis. The relative percent difference (RPD) is calculated as a means of quantifying precision. The following equation is used for this purpose:

$$RPD = \frac{R_1 - R_2}{(R_1 + R_2)/2} \times 100$$

Where:

RPD = Relative percent difference

R_1 = Result of the first duplicate or measured sample concentration

R_2 = Result of the second duplicate or known sample or duplicate concentration

When analytes are present at concentrations below or near the quantitation limit, precision is measured, using MS/MSD, and/or LCS/LCSD results.
Precision results are discussed in Section 4.0 of this report.

3.2.2 Accuracy

Accuracy indicates the closeness of the measurement to its true or accepted value. Accuracy measures agreement between a result and its true value. Accuracy is measured through lab control sample (LCS) analysis and surrogate recoveries. Method-specific QA objectives for precision and accuracy were based on the quality control limits developed by the laboratory for the analytical methods, specified in Table 2-1. Additionally, initial and continuing calibrations were used to verify that the analytical instrument accurately measured the compound concentrations. Calculations were independently verified for the response factors and percent differences (%Ds).

3.2.3 Completeness

Completeness is defined as the percentage of total measurements, which are judged to be valid. The completeness objective is to obtain a sufficient amount of valid data to enable the goals and objectives of the project to be achieved.

Completeness is quantified by computing the fraction of reports, which remained valid after the sampling procedures were reviewed and the results conformed to QA/QC protocols. The following equation was used to calculate completeness:

$$\text{Completeness} = \frac{\text{No. of valid field samples with valid analysis}}{\text{No. of valid field samples collected}} \times 100$$

Completeness is affected by anything that reduces the number of samples analyzed (such as a sample bottle breaking), as well as acceptance or non-acceptance of analytical results.

4.0 DATA VALIDATION

This data review covers sixteen (16) ground water samples listed on page 8 including dilutions if applicable. The analyses were according to the following EPA Methods:

EPA **Method 5030B/8260B** for volatile organic compounds

EPA **Method 5030B/8260B SIM** for fumigants (EDB, DBCP and 1, 2, 3-Trichloropropane)

EPA **Method 8151A** for Chlorinated Herbicides (Dinoseb)

This review follows USEPA Analytical Operations/Data Quality Center (*AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002); and EM 200-1-10 Guidance for Evaluating Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005. The following subsections correlate to the above guidelines.

A summary table summarizing all data and qualification, if any is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None indicates the finding did not significantly impact the data; therefore qualification was not required.

4.1. VOC (EPA Method 5030B/8260B)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of sixteen (16) ground water samples were collected on 04-21-15. All samples and sample dilutions were analyzed on 04-30-15, 05-01-15, 05-02-15 and 05-04-15. Samples, QC samples and sample dilutions were analyzed with reference to three analytical batches (preparation batch: VO01D26, VO01E01, VO01E03).

The chain-of-custody was reviewed for documentation of sample information and method of analysis.

Table 1 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration on 02-12-15. At the start of each analytical batch on 04-30-15, 05-01-15 and 05-04-15, the tune check standard was also injected. All the mass ratio requirements were within the assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using GC/MSD with instrument ID #s TO-01. Initial calibration curve was generated on 02-12-15. A multilevel calibration curve ranging from 0.3µg/L to 50µg/L was used for this purpose (few compounds were calibrated from (0.5 µg/L-20 µg/L). All analytes were calibrated with a minimum of five calibration levels. Internal standard curve type was used for initial calibration. Minimum response factor for system performance check compounds (SPCCs) were within the method acceptable limits. Response factors at each level were randomly recalculated and all agreed with the response factors presented in the initial calibration summary table.

Minimum average response factors for the system performance check compounds (SPCCs) for each instrument were recognized according to the following tables:

Table 4.1.1: System Performance Check Compounds (Initial calibration)

System Performance check compounds (SPCCs)	Min. Ave. Response Factor (Method limits)	Ave. Res. Factor 02-12-15 (Calculated) Instrument ID#: T-O01
Chloromethane	≥ 0.10	0.357
1,1 -dichloroethane	≥ 0.10	0.634
Bromoform	≥ 0.10	0.406
Chlorobenzene	≥ 0.30	1.035
1,1,2,2-Tetrachloroethane	≥ 0.30	0.704

Average response factor curve fit was mainly used to show linearity within standard levels in initial calibration. Maximum 15% RSD limit was met for all the target compounds.

Calibration check compounds (CCCs) met the acceptance criteria for %RSD among the response factors calculated for each level. Table 4.1.2 lists the CCCs with the method requirement acceptance limits and the calculated %RSD among the response factors for each initial calibration.

Table 4.1.2 Calibration Check Compounds (CCCs): Initial Calibration

Calibration Check Compounds (CCCs)	Response Factors %RSD (Limit)	Response Factors %RSD 02-12-15 Instrument ID#: T-O01
1,1-Dichloroethene	-≤ 30%	5.41%
Chloroform	-≤ 30%	3.84%
1,2-Dichloropropane	-≤ 30%	5.04%
Toluene	-≤ 30%	4.73%
Ethyl benzene	-≤ 30%	3.32%
Vinyl chloride	-≤ 30%	5.56%

Initial Calibration Verification and Continuing Calibration verification (Daily Calibration)

Initial calibration was verified by a second source standard at the end of calibration and before sample analysis on 02-13-15. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

Three continuing calibration check standards were analyzed at the beginning of each analytical shift on 04-30-15, 05-01-15 and 05-04-15. Prior to continuing calibration standard analysis, **instrument performance check standard** analysis (BFB tune check) was carried out. It passed all the method tuning criteria.

The minimum average response factors for the system performance check compounds (SPCCs) for continuing calibration standard was all within the method limits. The following table list average response factors for system performance check compounds.

Table 4.1.3: System Performance Check Compounds: (Daily calibration)

System Performance Check compounds (SPCCs)	**Minimum response factor (Method limits)**	**Second source St.** Response factors CCRF 02-13-15	**Continuing cal. St.** Response factors CCRF 04-30-15	**Continuing cal. St.** Response factors CCRF 05-01-15	**Continuing cal. St.** Response factors CCRF 05-04-15
Chloromethane	≥ 0.10	0.327	0.338	0.364	0.325
1,1-Dichloroethane	≥ 0.10	0.622	0.611	0.695	0.651
Chlorobenzene	≥ 0.10	1.023	0.981	1.142	1.062
Bromoform	≥ 0.30	0.412	0.383	0.434	0.415
1,1,2,2-Tetrachloroethane	≥ 0.30	0.969	0.699	0.801	0.723

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all the Calibration Check Compounds (CCCs) and less than or equal to 20% for the rest of target analytes. . The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration. The calculated % difference between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.1.4 for continuing calibration compounds as follows:

Table 4.1.4 Calibration Check Compounds (CCCs): ICV and Daily Calibration

Calibration Check Compounds (CCCs)	%Deviation From Initial calibration (Acceptance Limit)	Deviation from Initial calibration 2nd source (02-13-15)	Deviation from Initial calibration Daily calibration (04-30-15)	Deviation from Initial calibration Daily calibration (05-01-15)	Deviation from Initial calibration Daily calibration (05-01-15)
Vinyl chloride	-≤ 20%	5.9%	1.6%	4.7%	5.9%
1,1-Dichloroethene	-≤ 20%	4.2%	8.7%	3.5%	2.2%
Chloroform	-≤ 20%	1.7%	2.2%	9.7%	0.7%
1,2-Dichloropropane	-≤ 20%	1.4%	0.3%	11.0%	5.2%
Toluene	-≤ 20%	5.3%	10.6%	5.9%	3.3%
Ethyl benzene	-≤ 20%	3.3%	8.2%	7.3%	6.7%

Deviation from the initial calibration was less than 20 percent for the rest of target list (Non-CC compounds. Only 2,2-Dichloropropane failed maximum 20% difference for continuing calibration standard analyzed on 05-01-15 and Bromomethane exceeded 20% difference in continuing calibration analyzed on 05-04-15.

Quality Control samples: The QC samples reported consisted of three method blanks, three sets of LCS/LCSD and MS/MSD. Client's designated sample (04-21-15-WA-1) was spiked for precision as MS/MSD. The full list of target compounds were spiked and reported for LCS/LCSD as well as MS/MSD. Percent recoveries and percent RPDs for all the QC samples reported were within the project acceptance limits for all of the reported compounds in LCS/LCSD and MS/MSD.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary table.

Method blanks: Three method blanks were presented with the data package, analyzed on 04-30-15, 05-01-15 and 05-04-15 (batch #VO01D26, VO01E01, VO01E03). Method blanks were reported as non-detected for all the analytes in the target list. However, a trace of Methylene chloride was detected in method blank analyzed on 05-01-15 (Batch #VO01E01, 0.62ug/L).

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-2 was identified as field duplicate of sample 04-21-15-EPAS-3. Results of positive hits for each sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-3 µg/L	04-21-15 EPAS-3 µg/L	%RPD
Benzene	0.62J	0.73J	16.3%
Chlorobenzene	1.2	1.4	15.4%
Chloroform	2.6	3.2	20.7%
1,2-Dibromo-3-chloropropane	190	210	10.0%
1,2-Dibromoethane(EDB)	1.5	1.8	18.2%
1,2-dichlorobenzene	0.42J	0.50J	17.3%
1,3-dichlorobenzene	ND	0.20J	200%
1,1-Dichloroethane	0.35J	0.44J	22.8%
1,2-Dichloroethane	2.7	3.1	13.8%
1,2-dichloropropane	2,700	3000	10.5%
1,3-dichloropropane	3.5	4.1	15.8%
1,1-Dichloropropene	0.54J	0.63J	15.4%
Methylene chloride	3.5	4.1	15.8%
1,1,2-Trichloroethane	0.78J	0.90J	14.3%
1,2,3-Trichloropropane	450	460	2.20%

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Raw data for one sample, 04-21-15-PWA-3, was submitted as level IV data deliverable. Raw data for associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 1 appendix A.

4.2. EPA Method 5030B/8260B SIM (FUMIGANTS)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of twelve (12) ground water samples were collected on 04-21-15. All samples and QC samples were analyzed on 04-24-15, 04-27-15 and 05-04-15. Samples and QC samples were analyzed with reference to three preparation batches (VO01D22, VO01D23, and VO01E02).

The chain-of-custody was reviewed for documentation of sample information and method of analysis. Samples were analyzed for three fumigants: 1,2-Dibromomethane (EDB), 1,2,3-Trichloropropane (TCP), and 1,2-Dibromo-3-chloropropane (DBCP). A Mass detector at Selected Ion Monitoring mode (SIM) was used to achieve low detection limits required for the target compounds.

Table 2 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration and at the start of analytical batch. All mass ratios were within the method assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using purge and trap together with GC/MSD at selected ion monitoring mode. Instrument ID # T-O01 was used for the analysis. Initial calibration curve was generated on 01-13-15. A multilevel calibration curve ranging from 5-10ng/L (ppt) to 2000ng/L (ppt) was used for this purpose. (Lowest calibration level for 1,2-Dibromo-3-chloropropane was 10ng/L). Instrument performance check standard (BFB) was analyzed prior to initial calibration. It passed all the tuning criteria. Modified version of SW-846 8260B (SIM) was used for generation of calibration curve and data. Internal standard curve type was used for initial calibration. Minimum response factor for all the target compounds were within the method acceptable limits. Average response factor curve fit was used to show linearity. Percent relative standard deviation (%RSD) among

response factors was less than 15% for all target analytes. Using results from raw data, response factors at each level were randomly recalculated and all agreed with the response factors submitted in the initial calibration summary table.

Initial Calibration Verification and Continuing Calibration (Daily calibration)

The initial calibration curve was verified by a second source standard (ICV) at the end of calibration and before sample analysis on 01-13-15. Quality control criteria regarding minimum response factors were within methods, acceptance limits. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

Three continuing calibration check standards were analyzed at the beginning of each analytical shift on 04-24-15, 04-27-15 and 05-04-15. Prior to analysis of continuing calibration, instrument performance check was carried out by injection of BFB tune check standard. Instrument mass ratios were all within specifications of the method.

The calculated % difference (%D) between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.2.1 for the targets of interest in this method as follows:

Table 4.2.1: Percent difference from initial calibration: (Daily calibration)

Target Compounds	% Deviation From Initial Calibration Method Criteria	% Deviation From Initial Calibration 2nd Source St. (Calculated) **(01-13-15)**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-24-15)**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-27-15)**	% Deviation From Initial Calibration Daily St. (Calculated) **(05-04-15)**
1,2-Dibromomethane (EDB)	≤ 20%	8.6	6.2	5.2	4.1
1,2,3-Trichloropropane(TCP)	≤ 20%	8.8	2.9	0.80	0.20
1,2-Dibromo-3-chloroporopane (DBCP)	≤ 20%	4.2	16.0	18.1	9.6

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal

to 20% for all target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration.

Quality Control: The QC samples reported consisted of three method blanks and three sets of LCS/LCSD and MS/MSD. Client's designated sample, 04-21-15-WA-1 was spiked as MS/MSD for precision. All three target compounds were spiked and reported for LCS/LCSD and MS/MSD. Percent recoveries and percent RPDs for LCS/LCSD were within the project acceptance limits for all reported compounds. However, %recovery exceeded the lower acceptance limit in MSD for one compound:

Analyte	04-21-15-WA-1 MS % Recovery	04-21-15-WA-1 MSD % Recovery	Limits
1, 2,3-Trichloropropane	85%	65%*	75-125%

* Failed the QC acceptance limits

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary tables.

Method blanks: Three method blanks were presented with the data package, analyzed on 04-24-15, 04-27-15 and 05-04-15 (batch # VO01D22, VO01D23, VO01E02). Method blanks were reported as non-detected for analytes in the target list.

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-2 was identified as field duplicate of sample 04-21-15- EPAS-3. Results of positive hits for each sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-2 µg/L	04-21-15 EPAS-3 µg/L	%RPD
1,2-Dibromoethane (EDB)	1.8	1.7	5.71%
1,2-Dibromo-3-chloropropane	280	260	7.41%
1, 2,3-Trichloropropane	520	510	1.94%

Raw data for one sample, 04-21-15-PWA-3, together with all further dilutions was submitted as level IV data deliverable. Raw data for all associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 2 Appendix A.

4.3 DINOSEB BY GC/ECD (EPA Method 8151A)

Technical Holding Times

A 7-day technical holding time from sample collection to extraction and 40-day from extraction to analysis was met for all samples. A total of twelve (12) ground water samples were collected on 04-21-15. Samples were extracted with one preparation batch on 04-24-15 (preparation batch # HED009W). Sample extracts were all analyzed within 40-day holding time on 04-24-15 and 04-25-15 and 04-27-15.

EPA Method 8151A uses GC equipped with two Electron Capture Detectors (ECDs) and two columns connected to the same injection port for analysis. Results and raw data generated from both columns were submitted. Chlorinated Herbicides (Dinoseb) was determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration generated on 04-08-15. Seven calibration levels (18.9-189 µg/L) were used in initial calibration. Channel A and B were both calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel. Percent relative standard deviation (%RSD) among calibration factors (CFs) for both channel A and B were less than 20% for all target compounds. Retention time window width (0.014-0.030min) was established by using initial calibration standards at each level. All further sample and QC analysis identification were based on the assigned retention time windows set by initial calibration for each peak. The instrument was

calibrated for full list of Herbicides, both for initial calibration and continuing (daily calibration), but the result of analysis was reported only for Dinoseb.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Initial calibration curve was verified by a second source standard at the end of calibration and prior to sample analysis on 04-08-15. Percent difference between mean calibration factors from initial calibration and calibration factors calculated from the second source were less than 15% for both Dinoseb and DCPA (used as surrogate).

Six continuing calibration standards with intervals of 10 sample injections were analyzed with samples, and QC samples. Samples were analyzed on 04-24-15, 04-25-15 and 04-27-15. Percent difference between initial calibration average response factors and the response factors calculated for Dinoseb from continuing calibrations were less than 20% for all standards. Results for surrogate recoveries and QC samples were reported from both channel A and B.

Quality Control samples consisted of one method blank, one set of LCS/LCSD and MS/MSD for preparation batch #HED009W. Client's designated sample (04-21-15-WA-1) was spiked for precision as MS/MSD. Full Herbicide list was spiked for LCS/LCSD and MS/MSD, but only the result of Dinoseb and DCPA (as surrogate) were reported for precision and accuracy. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD and MS/MSD. Calculated %RPD was less than 30% acceptance limit

Method blank was reviewed for each component and no herbicide was found in the method blank for the extraction batch # HED009W.

Surrogate recoveries were all within the method's acceptable limits for most of initial analyses. Recoveries failed for three samples due to high dilution factor used in analysis. The calculated result for each sample is incorporated in table 3 in Appendix A.

Field duplicate sample and its associated sample: Sample 04-21-15-FDUP-2 was recognized as field duplicate of sample 04-21-15-EPAS-3. Results of analysis for sample and corresponding sample duplicate are shown in the following table:

Analyte	04-21-15 FDUP-2 µg/L	04-21-15 EPAS-3 µg/L	%RPD
Dinoseb	840	730	14.0%

Raw data for one sample, 04-21-15-PWA-3, with related QC samples were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results together with the surrogate recoveries are tabulated in table 3 Appendix A.

5.0 Conclusion

Overall, the data presented is generally regarded as acceptable for all the EPA methods listed in the chain of custody. The data can reliably be used for the purpose of this project.

6.0 References

1. *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002).

2. *Quality Assurance Project Plan, final Draft, Brown & Bryant, CA,* (Project No. Eco-13-601, Eco & Associates Inc.)

3. U.S. Environmental Protection Agency, Dec. 1996, *SW846 Laboratory Manual Physical/Chemical Methods.* Revision 3, Washington, D.C. 20460.

4. EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005.

5. Department of Defense Quality System Manual (DOD QSM), Version 4.2, 2010

6. EPA Methods for Chemical Analysis of Water and Wastes. EPA -600-4-79-020. Revised; March 1983.

7. Standard Methods for Examination of Water and Wastewater. 21st Edition, 2005.

7.0 APPENDIX A

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-21-15-WA-1 µg/L	04-21-15-TB-2 µg/L	04-21-15-FDUP-2	04-21-15-EPAS-3 µg/L	04-21-15-WA-5 µg/L	04-21-15-TB-4 µg/L
Acetone	10	U	U	U	U	U	U
Benzene	1.0	U	U	**0.62J**	**0.73J**	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	**0.44J**	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	U	U	U
Chlorobenzene	1.0	U	U	**1.2**	**1.4**	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	**4.6**	U	**2.6**	**3.2**	**0.56J**	U
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	U	U	**190**	**210**	U	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	**1.5**	**1.8**	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	**0.42J**	**0.50J**	U	U
1,3-Dichlorobenzene	1.0	U	U	U	**0.20J**	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	**0.35J**	**0.44J**	**0.44J**	U
1,2-Dichloroethane	1.0	U	U	**2.7**	**3.1**	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	U	U	**2700**	**3000**	**5.3**	U
1,3-Dichloropropane	0.5	U	U	**3.5**	**4.1**	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	**0.54J**	**0.63J**	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	**0.91J**	U	U	U	U	U

ANALYTE	RLs µg/L	04-21-15-WA-1 µg/L	04-21-15-TB-2 µg/L	04-21-15-FDUP-2	04-21-15-EPAS-3 µg/L	04-21-15-WA-5 µg/L	04-21-15-TB-4 µg/L
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	**3.5**	U	**3.5**	**4.1**	**0.94**	U
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	U	U	U	U	**0.23J**	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	**0.78J**	**0.90J**	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	**0.91J**	U	**450**	**460**	U	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)	**(Limits)**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	91.9	91.0	93.5	95.0	93.1	92.0
4-Bromofluorbenze	75-120	102	99.2	99.0	98.7	101	102
Toluene-d8	85-120	99.6	99.1	94.4	95.6	97.2	98.3
Dibromofluoromethane	85-115	91.4	91.7	93.1	93.5	92.8	92.7

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-21-15-EPAS-1 µg/L	04-21-15-WA-9 µg/L	04-21-15-PWA-3 µg/L	04-21-15-PWA-7A µg/L	04-21-15-TB-3 µg/L	04-21-15-EB-1 µg/L
Acetone	10	U	U	U	U	U	U
Benzene	1.0	U	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	U	U	U
Chlorobenzene	1.0	U	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	**7.5**	U	**11**	**0.28J**	U	U
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	**1.5**	U	U	U	U	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	U	U	U	U
1,2-Dichloroethane	1.0	U	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	**19**	U	**0.26J**	U	U	U
1,3-Dichloropropane	0.5	U	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	U	U	U	U	U	U
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	U	U	**8.4**	**4.8**	U	

ANALYTE	RLs µg/L	04-21-15-EPAS-1 µg/L	04-21-15-WA-9 µg/L	04-21-15-PWA-3 µg/L	04-21-15-PWA-7A µg/L	04-21-15-TB-3 µg/L	04-21-15-EB-1 µg/L
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	U	U	U	U	U	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	**72.0**	U	U	U	U	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	91.5	92.1	92.4	91.6	89.8	91.6
4-Bromofluorbenze	75-120	101	102	100	101	102	102
Toluene-d8	85-120	97.7	96.1	98.1	98.2	100	98.8
Dibromofluoromethane	85-115	92.1	91.9	92.5	92.5	90.5	91.8

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-21-15-PWA-2 µg/L	04-2115-EPAS-2 µg/L	04-21-15-TB-5 µg/L	04-21-15-WA-3 µg/L		
Acetone	10	U	U	U	U		
Benzene	1.0	**0.73J**	U	U	U		
Bromobenzene	1.0	U	U	U	U		
Bromochloromethane	1.0	U	U	U	U		
Bromodichloromethane	1.0	U	U	U	U		
Bromoform	1.0	U	U	U	U		
Bromomethane	1.0	U	U	U	U		
2-Butanone	10	U	U	U	U		
n-Butylbenzene	1.0	U	U	U	U		
sec-Butylbenzene	1.0	U	U	U	U		
tert-Butylbenzene	1.0	U	U	U	U		
Carbon Disulfide	1.0	U	U	U	U		
Carbon Tetrachloride	1.0	U	U	U	U		
Chlorobenzene	1.0	**1.1**	U	U	U		
Chloroethane	1.0	U	U	U	U		
2-ChloroethylVinylether	1.0	U	U	U	U		
Chloroform	1.0	**3.7**	**3.1**	U	U		
Chloromethane	1.0	U	U	U	U		
2-Chlorotoluene	1.0	U	U	U	U		
4-Chlorotoluene	1.0	U	U	U	U		
1,2Dibromo3Chloropropane	1.0	**140**	**0.71J**	U	U		
Dibromochloromethane	1.0	U	U	U	U		
1,2-Dibromoethane(EDB)	1.0	**33**	U	U	U		
Dibromomethane	1.0	U	U	U	U		
1,2-Dichlorobenzene	1.0	**0.26J**	U	U	U		
1,3-Dichlorobenzene	1.0	U	U	U	U		
1,4-Dichlorobenzene	1.0	U	U	U	U		
Dichlorodifluoromethan	1.0	U	U	U	U		
1,1-Dichloroethane	1.0	**0.26J**	U	U	U		
1,2-Dichloroethane	1.0	U	U	U	U		
1,1-Dichloroethene	1.0	U	U	U	U		
Cis-1,2-Dichloroethene	1.0	U	U	U	U		
trans-1,2-Dichloroethene	1.0	U	U	U	U		
1,2-Dichloropropane	1.0	**2400**	**42**	U	**0.21J**		
1,3-Dichloropropane	0.5	**3.4**	U	U	U		
2,2-Dichloropropane	1.0	U	U	U	U		
1,1-Dichloropropene	1.0	**0.28J**	U	U	U		
cis-1,3-Dichloropropene	1.0	**0.30J**	U	U	U		
trans-1,3-Dichloropropene	1.0	**0.27J**	U	U	U		

ANALYTE	RLs µg/L	04-21-15-PWA-2 µg/L	04-2115-EPAS-2 µg/L	04-21-15-TB-5 µg/L	04-21-15-WA-3 µg/L		
Ethylbenzene	1.0	U	U	U	U		
Hexachlorobutadiene	1.0	U	U	U	U		
2-Hexanone	10	U	U	U	U		
Isopropylbenzene	1.0	U	U	U	U		
p-Isopropyltoluene	1.0	U	U	U	U		
MTBE	1.0	U	U	U	U		
4-Methyl-2-Pentanone	10.0	U	U	U	U		
Methylene chloride	1.0	**1.4**	**0.70J**	U	U		
Naphthalene	1.0	U	U	U	U		
n- Propylbenzene	1.0	U	U	U	U		
Styrene	1.0	U	U	U	U		
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U		
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U		
Tetrachloroethene	1.0	U	U	U	U		
Toluene	1.0	U	U	U	U		
1,2,3-Trichlorobenzene	1.0	U	U	U	U		
1,2,4-Trichlorobenzene	1.0	U	U	U	U		
1,1,1-Trichloroethane	1.0	U	U	U	U		
1,1,2-Trichloroethane	1.0	**0.79J**	U	U	U		
Trichloroethene	1.0	U	U	U	U		
Trichlorofluoromethane	1.0	U	U	U	U		
1,2,3-Trichloropropane	1.0	**380**	**5.4**	U	U		
1,2,4-Trimethylbenzene	1.0	U	U	U	U		
1,3,5-Trimethylbenzene	1.0	U	U	U	U		
Vinyl Chloride	1.0	U	U	U	U		
o-Xylene	1.0	U	U	U	U		
m-& p-Xylenes	1.0	U	U	U	U		
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	93.9	92.4	91.0	93.1		
4-Bromofluorbenze	75-120	101	99.3	102	103		
Toluene-d8	85-120	94.1	98.0	97.2	96.9		
Dibromofluoromethane	85-115	93.3	91.9	91.9	91.8		

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-21-15-WA-1 µg/L	04-21-15-FDUP-2 µg/L	04-21-15-EPAS-3 µg/L	04-21-15-WA-5 µg/L	04-21-15-EPAS-1 µg/L	04-21-15-WA-9 µg/L
EDB	0.05	ND	**1.8**	**1.7**	ND	ND	ND
DBCP	0.05	ND	**280**	**260**	ND	**1.8**	ND
1,2,3-Trichloropropane	0.005	**1.0**	**520**	**510**	**0.50**	**70**	**0.059**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	101	93.6	94.1	99.7	92.4	104

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-21-15-PWA-3 µg/L	04-21-15-PWA-7A µg/L	04-21-15-EB-1 µg/L	04-21-15-PWA-2 µg/L	04-2115-EPAS-2 µg/L	04-21-15-WA-3 µg/L
EDB	0.05	ND	ND	ND	**37**	ND	ND
DBCP	0.05	ND	ND	ND	**180**	**1.0**	**0.26**
1,2,3-Trichloropropane	0.005	**0.073**	**0.52**	ND	**430**	**4.8**	**52**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	101	105	98.1	95.8	110	80.1

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-21-15-WA-1 µg/L	04-21-15-FDUP-2 µg/L	04-21-15-EPAS-3 µg/L	04-21-15-WA-5 µg/L	04-21-15-EPAS-1 µg/L	04-21-15-WA-9 µg/L
Dinoseb	0.4	ND	**840**	**730**	ND	**12**	ND
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	90.8	0*	0*	103	130	94.8

* Surrogate was diluted out due to high dilution factor

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-21-15-PWA-3 µg/L	04-21-15-PWA-7A µg/L	04-21-15-EB-1 µg/L	04-21-15-PWA-2 µg/L	04-2115-EPAS-2 µg/L	04-21-15-WA-3 µg/L
Dinoseb	0.4	ND	**0.30J**	ND	**24,000**	**5.7**	**6.7**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	98.3	95.2	103	0*	123	128

* Surrogate was diluted out due to high dilution factor

Automatic Data Validation Report

B&B
Biannually
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-13-601

SDG # 15D156

April, 2015

By

Ziba Hosseini

ADR LIBRARY

ECO-BrownandBryanyt-121114

Ground water Monitoring

@

Brown & Bryant, Arvin, California

EPA Methods: 8260B, 8260B (SIM), 8151A
300.0, 415.1, SM3500, SM4500S2D
and
RSK175

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			48	Hours	2	GT
415.1			28	Days	2	GT
8151	7	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT
FE3500			48	Hours	2	GT
RSK175				Days	2	GT
SM4500S2D			7	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			28	Days	2	GT
415.1			28	Days	2	GT
8151	14	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
FE3500	15438-31-0	Ferrous Iron	5
RSK175	1333-74-0	HYDROGEN	5
	74-82-8	METHANE	5
SM4500S2D	18496-25-8	SULFIDE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
FE3500	15438-31-0	Ferrous Iron	20	
RSK175	1333-74-0	HYDROGEN		
	74-82-8	METHANE		
SM4500S2D	18496-25-8	SULFIDE	20	

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery	
					Lower Limit	Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	40	140
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	70	120
	460-00-4	4-Bromofluorobenzene	10	LT	75	120
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	85	115
	2037-26-5	TOLUENE-D8	10	LT	85	120
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	80	120

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	10	150
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	60	160
	460-00-4	4-Bromofluorobenzene	10	LT	70	150
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	70	130
	2037-26-5	TOLUENE-D8	10	LT	70	140
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	50	150

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	70	135	30
	78-93-3	2-BUTANONE	10	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	10	LT	75	125	30
	591-78-6	2-HEXANONE	10	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	130	30
	67-64-1	ACETONE	10	LT	40	140	30
	71-43-2	BENZENE	10	LT	80	120	30
	108-86-1	BROMOBENZENE	10	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	75	120	30
	75-25-2	BROMOFORM	10	LT	70	130	30
	74-83-9	BROMOMETHANE	10	LT	30	145	30
	75-15-0	CARBON DISULFIDE	10	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	140	30
	108-90-7	CHLOROBENZENE	10	LT	80	120	30
	75-00-3	CHLOROETHANE	10	LT	60	135	30
	67-66-3	CHLOROFORM	10	LT	65	135	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	74-87-3	CHLOROMETHANE	10	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	60	135	30
	74-95-3	DIBROMOMETHANE	10	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	30	155	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	10	LT	50	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	125	30
	136777-61-2	M,P-XYLENES	10	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	60	135	30
	1634-04-4	MTBE	10	LT	65	125	30
	91-20-3	NAPHTHALENE	10	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	10	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	10	LT	70	130	30
	95-47-6	O-XYLENE	10	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	70	125	30
	100-42-5	STYRENE	10	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	45	150	30
	108-88-3	TOLUENE	10	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	55	140	30
	79-01-6	TRICHLOROETHENE	10	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	60	145	30
	108-05-4	VINYL ACETATE	10	LT	65	135	30
	75-01-4	VINYL CHLORIDE	10	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	50	LT	80	120	20
RSK175	1333-74-0	HYDROGEN	10	LT	80	120	20
	74-82-8	METHANE	10	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	50	LT	80	120	20

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	65	135	30
	78-93-3	2-BUTANONE	10	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	10	LT	70	130	30
	591-78-6	2-HEXANONE	10	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	125	30
	67-64-1	ACETONE	10	LT	20	160	30
	71-43-2	BENZENE	10	LT	75	125	30
	108-86-1	BROMOBENZENE	10	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	70	130	30
	75-25-2	BROMOFORM	10	LT	55	135	30
	74-83-9	BROMOMETHANE	10	LT	30	160	30
	75-15-0	CARBON DISULFIDE	10	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	135	30
	108-90-7	CHLOROBENZENE	10	LT	75	125	30
	75-00-3	CHLOROETHANE	10	LT	40	155	30
	67-66-3	CHLOROFORM	10	LT	70	125	50

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery		RPD
					Lower Limit	Upper Limit	
8260B	74-87-3	CHLOROMETHANE	10	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	65	130	30
	74-95-3	DIBROMOMETHANE	10	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	35	135	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	10	LT	55	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	130	30
	136777-61-2	M,P-XYLENES	10	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	45	145	30
	1634-04-4	MTBE	10	LT	60	150	50
	91-20-3	NAPHTHALENE	10	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	10	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	10	LT	65	135	30
	95-47-6	O-XYLENE	10	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	65	130	30
	100-42-5	STYRENE	10	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	65	140	30
	108-88-3	TOLUENE	10	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	65	125	30
	79-01-6	TRICHLOROETHENE	10	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	25	185	30
	108-05-4	VINYL ACETATE	10	LT	20	160	50
	75-01-4	VINYL CHLORIDE	10	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	50	150	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	70	135	30
	78-93-3	2-BUTANONE	0	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	0	LT	75	125	30
	591-78-6	2-HEXANONE	0	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	130	30
	67-64-1	ACETONE	0	LT	40	140	30
	71-43-2	BENZENE	0	LT	80	120	30
	108-86-1	BROMOBENZENE	0	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	75	120	30
	75-25-2	BROMOFORM	0	LT	70	130	30
	74-83-9	BROMOMETHANE	0	LT	30	145	30
	75-15-0	CARBON DISULFIDE	0	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	140	30
	108-90-7	CHLOROBENZENE	0	LT	80	120	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	60	135	30
	67-66-3	CHLOROFORM	0	LT	65	135	30
	74-87-3	CHLOROMETHANE	0	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	60	135	30
	74-95-3	DIBROMOMETHANE	0	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	30	155	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	0	LT	50	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	125	30
	136777-61-2	M,P-XYLENES	0	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	60	135	30
	1634-04-4	MTBE	0	LT	65	125	30
	91-20-3	NAPHTHALENE	0	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	0	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	0	LT	70	130	30
	95-47-6	O-XYLENE	0	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	70	125	30
	100-42-5	STYRENE	0	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	45	150	30
	108-88-3	TOLUENE	0	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	55	140	30
	79-01-6	TRICHLOROETHENE	0	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	60	145	30
	108-05-4	VINYL ACETATE	0	LT	65	135	30
	75-01-4	VINYL CHLORIDE	0	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	30	LT	75	125	20
RSK175	1333-74-0	HYDROGEN	0	LT	80	120	20
	74-82-8	METHANE	0	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	30	LT	75	125	20

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	65	135	30
	78-93-3	2-BUTANONE	0	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	0	LT	70	130	30
	591-78-6	2-HEXANONE	0	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	125	30
	67-64-1	ACETONE	0	LT	20	160	30
	71-43-2	BENZENE	0	LT	75	125	30
	108-86-1	BROMOBENZENE	0	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	70	130	30
	75-25-2	BROMOFORM	0	LT	55	135	30
	74-83-9	BROMOMETHANE	0	LT	30	160	30
	75-15-0	CARBON DISULFIDE	0	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	135	30
	108-90-7	CHLOROBENZENE	0	LT	75	125	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	40	155	30
	67-66-3	CHLOROFORM	0	LT	70	125	50
	74-87-3	CHLOROMETHANE	0	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	65	130	30
	74-95-3	DIBROMOMETHANE	0	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	35	135	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	0	LT	55	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	130	30
	136777-61-2	M,P-XYLENES	0	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	45	145	30
	1634-04-4	MTBE	0	LT	60	150	50
	91-20-3	NAPHTHALENE	0	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	0	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	0	LT	65	135	30
	95-47-6	O-XYLENE	0	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	65	130	30
	100-42-5	STYRENE	0	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	65	140	30
	108-88-3	TOLUENE	0	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	65	125	30
	79-01-6	TRICHLOROETHENE	0	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	25	185	30
	108-05-4	VINYL ACETATE	0	LT	10	160	50
	75-01-4	VINYL CHLORIDE	0	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	50	150	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	0.1	PQL	mg/L
	14797-65-0	Nitrite-N	0.1	PQL	mg/L
	14808-79-8	SULFATE	0.5	PQL	mg/L
415.1	E-10195	TOC	1	PQL	mg/L
8151	88-85-7	DINOSEB	0.4	PQL	ug/L
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	71-55-6	1,1,1-TRICHLOROETHANE	1.0	PQL	ug/L
	79-34-5	1,1,2,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	79-00-5	1,1,2-TRICHLOROETHANE	1.0	PQL	ug/L
	75-34-3	1,1-DICHLOROETHANE	1.0	PQL	ug/L
	75-35-4	1,1-DICHLOROETHENE	1.0	PQL	ug/L
	563-58-6	1,1-DICHLOROPROPENE	1.0	PQL	ug/L
	87-61-6	1,2,3-TRICHLOROBENZENE	1.0	PQL	ug/L
	96-18-4	1,2,3-TRICHLOROPROPANE	1.0	PQL	ug/L
	120-82-1	1,2,4-TRICHLOROBENZENE	1.0	PQL	ug/L
	95-63-6	1,2,4-TRIMETHYLBENZENE	1.0	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1.0	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	1.0	PQL	ug/L
	95-50-1	1,2-DICHLOROBENZENE	1.0	PQL	ug/L
	107-06-2	1,2-DICHLOROETHANE	1.0	PQL	ug/L
	78-87-5	1,2-DICHLOROPROPANE	1.0	PQL	ug/L
	108-67-8	1,3,5-TRIMETHYLBENZENE	1.0	PQL	ug/L
	541-73-1	1,3-DICHLOROBENZENE	1.0	PQL	ug/L
	142-28-9	1,3-DICHLOROPROPANE	0.5	PQL	ug/L
	106-46-7	1,4-DICHLOROBENZENE	1.0	PQL	ug/L
	594-20-7	2,2-DICHLOROPROPANE	1.0	PQL	ug/L
	78-93-3	2-BUTANONE	10	PQL	ug/L
	95-49-8	2-CHLOROTOLUENE	1.0	PQL	ug/L
	591-78-6	2-HEXANONE	10	PQL	ug/L
	106-43-4	4-CHLOROTOLUENE	1.0	PQL	ug/L
	67-64-1	ACETONE	10	PQL	ug/L
	71-43-2	BENZENE	1.0	PQL	ug/L
	108-86-1	BROMOBENZENE	1.0	PQL	ug/L
	74-97-5	BROMOCHLOROMETHANE	1.0	PQL	ug/L
	75-27-4	BROMODICHLOROMETHANE	1.0	PQL	ug/L
	75-25-2	BROMOFORM	1.0	PQL	ug/L
	74-83-9	BROMOMETHANE	1.0	PQL	ug/L
	75-15-0	CARBON DISULFIDE	1.0	PQL	ug/L
	56-23-5	CARBON TETRACHLORIDE	1.0	PQL	ug/L
	108-90-7	CHLOROBENZENE	1.0	PQL	ug/L
	75-00-3	CHLOROETHANE	1.0	PQL	ug/L
	67-66-3	CHLOROFORM	1.0	PQL	ug/L
	74-87-3	CHLOROMETHANE	1.0	PQL	ug/L
	156-59-2	CIS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-01-5	CIS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	124-48-1	DIBROMOCHLOROMETHANE	1.0	PQL	ug/L
	74-95-3	DIBROMOMETHANE	1.0	PQL	ug/L
	75-71-8	DICHLORODIFLUOROMETHANE	1.0	PQL	ug/L
	100-41-4	ETHYLBENZENE	1.0	PQL	ug/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	1.0	PQL	ug/L
	87-68-3	HEXACHLOROBUTADIENE	1.0	PQL	ug/L
	98-82-8	Isopropyl Benzene	1.0	PQL	ug/L
	136777-61-2	M,P-XYLENES	1.0	PQL	ug/L
	75-09-2	METHYLENE CHLORIDE	1.0	PQL	ug/L
	108-10-1	MIBK	10	PQL	ug/L
	1634-04-4	MTBE	1.0	PQL	ug/L
	91-20-3	NAPHTHALENE	1.0	PQL	ug/L
	104-51-8	N-BUTYLBENZENE	1.0	PQL	ug/L
	103-65-1	N-PROPYLBENZENE	1.0	PQL	ug/L
	95-47-6	O-XYLENE	1.0	PQL	ug/L
	99-87-6	P-ISOPROPYLTOLUENE	1.0	PQL	ug/L
	135-98-8	SEC-BUTYLBENZENE	1.0	PQL	ug/L
	100-42-5	STYRENE	1.0	PQL	ug/L
	98-06-6	TERT-BUTYLBENZENE	1.0	PQL	ug/L
	127-18-4	TETRACHLOROETHENE	1.0	PQL	ug/L
	108-88-3	TOLUENE	1.0	PQL	ug/L
	156-60-5	TRANS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	79-01-6	TRICHLOROETHENE	1.0	PQL	ug/L
	75-69-4	TRICHLOROFLUOROMETHANE	1.0	PQL	ug/L
	108-05-4	VINYL ACETATE	2.0	PQL	ug/L
	75-01-4	VINYL CHLORIDE	1.0	PQL	ug/L
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/L
FE3500	15438-31-0	Ferrous Iron	2	PQL	mg/L
RSK175	1333-74-0	HYDROGEN	10	PQL	ug/L
	74-82-8	METHANE	1	PQL	ug/L
SM4500S2D	18496-25-8	SULFIDE	0.1	PQL	mg/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	1	PQL	mg/Kg
	14797-65-0	Nitrite-N	1	PQL	mg/Kg
	14808-79-8	SULFATE	5	PQL	mg/Kg
415.1	E-10195	TOC	10	PQL	mg/Kg
8151	88-85-7	DINOSEB	10	PQL	ug/Kg
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	71-55-6	1,1,1-TRICHLOROETHANE	5	PQL	ug/Kg
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	79-00-5	1,1,2-TRICHLOROETHANE	5	PQL	ug/Kg
	75-34-3	1,1-DICHLOROETHANE	5	PQL	ug/Kg
	75-35-4	1,1-DICHLOROETHENE	5	PQL	ug/Kg
	563-58-6	1,1-DICHLOROPROPENE	5	PQL	ug/Kg
	87-61-6	1,2,3-TRICHLOROBENZENE	5	PQL	ug/Kg
	96-18-4	1,2,3-TRICHLOROPROPANE	5	PQL	ug/Kg
	120-82-1	1,2,4-TRICHLOROBENZENE	5	PQL	ug/Kg
	95-63-6	1,2,4-TRIMETHYLBENZENE	5	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	5	PQL	ug/Kg
	95-50-1	1,2-DICHLOROBENZENE	5	PQL	ug/Kg
	107-06-2	1,2-DICHLOROETHANE	5	PQL	ug/Kg
	78-87-5	1,2-DICHLOROPROPANE	5	PQL	ug/Kg
	108-67-8	1,3,5-TRIMETHYLBENZENE	5	PQL	ug/Kg
	541-73-1	1,3-DICHLOROBENZENE	5	PQL	ug/Kg
	142-28-9	1,3-DICHLOROPROPANE	5	PQL	ug/Kg
	106-46-7	1,4-DICHLOROBENZENE	5	PQL	ug/Kg
	594-20-7	2,2-DICHLOROPROPANE	5	PQL	ug/Kg
	78-93-3	2-BUTANONE	10	PQL	ug/Kg
	95-49-8	2-CHLOROTOLUENE	5	PQL	ug/Kg
	591-78-6	2-HEXANONE	10	PQL	ug/Kg
	106-43-4	4-CHLOROTOLUENE	5	PQL	ug/Kg
	67-64-1	ACETONE	10	PQL	ug/Kg
	71-43-2	BENZENE	5	PQL	ug/Kg
	108-86-1	BROMOBENZENE	5	PQL	ug/Kg
	74-97-5	BROMOCHLOROMETHANE	5	PQL	ug/Kg
	75-27-4	BROMODICHLOROMETHANE	5	PQL	ug/Kg
	75-25-2	BROMOFORM	5	PQL	ug/Kg
	74-83-9	BROMOMETHANE	10	PQL	ug/Kg
	75-15-0	CARBON DISULFIDE	5	PQL	ug/Kg
	56-23-5	CARBON TETRACHLORIDE	5	PQL	ug/Kg
	108-90-7	CHLOROBENZENE	5	PQL	ug/Kg
	75-00-3	CHLOROETHANE	5	PQL	ug/Kg
	67-66-3	CHLOROFORM	5	PQL	ug/Kg
	74-87-3	CHLOROMETHANE	5	PQL	ug/Kg
	156-59-2	CIS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	124-48-1	DIBROMOCHLOROMETHANE	5	PQL	ug/Kg
	74-95-3	DIBROMOMETHANE	5	PQL	ug/Kg
	75-71-8	DICHLORODIFLUOROMETHANE	5	PQL	ug/Kg
	100-41-4	ETHYLBENZENE	5	PQL	ug/Kg

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	5	PQL	ug/Kg
	87-68-3	HEXACHLOROBUTADIENE	5	PQL	ug/Kg
	98-82-8	Isopropyl Benzene	5	PQL	ug/Kg
	136777-61-2	M,P-XYLENES	10	PQL	ug/Kg
	75-09-2	METHYLENE CHLORIDE	5	PQL	ug/Kg
	108-10-1	MIBK	10	PQL	ug/Kg
	1634-04-4	MTBE	5	PQL	ug/Kg
	91-20-3	NAPHTHALENE	5	PQL	ug/Kg
	104-51-8	N-BUTYLBENZENE	5	PQL	ug/Kg
	103-65-1	N-PROPYLBENZENE	5	PQL	ug/Kg
	95-47-6	O-XYLENE	5	PQL	ug/Kg
	99-87-6	P-ISOPROPYLTOLUENE	5	PQL	ug/Kg
	135-98-8	SEC-BUTYLBENZENE	5	PQL	ug/Kg
	100-42-5	STYRENE	5	PQL	ug/Kg
	98-06-6	TERT-BUTYLBENZENE	5	PQL	ug/Kg
	127-18-4	TETRACHLOROETHENE	5	PQL	ug/Kg
	108-88-3	TOLUENE	5	PQL	ug/Kg
	156-60-5	TRANS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	79-01-6	TRICHLOROETHENE	5	PQL	ug/Kg
	75-69-4	TRICHLOROFLUOROMETHANE	5	PQL	ug/Kg
	108-05-4	VINYL ACETATE	5	PQL	ug/Kg
	75-01-4	VINYL CHLORIDE	5	PQL	ug/Kg
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/Kg

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8151	88-85-7	DINOSEB											
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE											
	71-55-6	1,1,1-TRICHLOROETHANE											
	79-34-5	1,1,2,2-TETRACHLOROETHANE											
	79-00-5	1,1,2-TRICHLOROETHANE											
	75-34-3	1,1-DICHLOROETHANE											
	75-35-4	1,1-DICHLOROETHENE											
	563-58-6	1,1-DICHLOROPROPENE											
	87-61-6	1,2,3-TRICHLOROBENZENE											
	96-18-4	1,2,3-TRICHLOROPROPANE											
	120-82-1	1,2,4-TRICHLOROBENZENE											
	95-63-6	1,2,4-TRIMETHYLBENZENE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
	95-50-1	1,2-DICHLOROBENZENE											
	107-06-2	1,2-DICHLOROETHANE											
	78-87-5	1,2-DICHLOROPROPANE											
	108-67-8	1,3,5-TRIMETHYLBENZENE											
	541-73-1	1,3-DICHLOROBENZENE											
	142-28-9	1,3-DICHLOROPROPANE											
	106-46-7	1,4-DICHLOROBENZENE											
	594-20-7	2,2-DICHLOROPROPANE											
	78-93-3	2-BUTANONE											
	95-49-8	2-CHLOROTOLUENE											
	591-78-6	2-HEXANONE											
	106-43-4	4-CHLOROTOLUENE											
	67-64-1	ACETONE											
	71-43-2	BENZENE											
	108-86-1	BROMOBENZENE											
	74-97-5	BROMOCHLOROMETHANE											
	75-27-4	BROMODICHLOROMETHANE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	75-25-2	BROMOFORM											
	74-83-9	BROMOMETHANE											
	75-15-0	CARBON DISULFIDE											
	56-23-5	CARBON TETRACHLORIDE											
	108-90-7	CHLOROBENZENE											
	75-00-3	CHLOROETHANE											
	67-66-3	CHLOROFORM											
	74-87-3	CHLOROMETHANE											
	156-59-2	CIS-1,2-DICHLOROETHENE											
	10061-01-5	CIS-1,3-DICHLOROPROPENE											
	124-48-1	DIBROMOCHLOROMETHANE											
	74-95-3	DIBROMOMETHANE											
	75-71-8	DICHLORODIFLUOROMETHANE											
	100-41-4	ETHYLBENZENE											
	76-13-1	FREON113											
	87-68-3	HEXACHLOROBUTADIENE											
	98-82-8	Isopropyl Benzene											
	136777-61-2	M,P-XYLENES											
	75-09-2	METHYLENE CHLORIDE											
	108-10-1	MIBK											
	1634-04-4	MTBE											
	91-20-3	NAPHTHALENE											
	104-51-8	N-BUTYLBENZENE											
	103-65-1	N-PROPYLBENZENE											
	95-47-6	O-XYLENE											
	99-87-6	P-ISOPROPYLTOLUENE											
	135-98-8	SEC-BUTYLBENZENE											
	100-42-5	STYRENE											
	98-06-6	TERT-BUTYLBENZENE											
	127-18-4	TETRACHLOROETHENE											
	108-88-3	TOLUENE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	156-60-5	TRANS-1,2-DICHLOROETHENE											
	10061-02-6	TRANS-1,3-DICHLOROPROPENE											
	79-01-6	TRICHLOROETHENE											
	75-69-4	TRICHLOROFLUOROMETHANE											
	108-05-4	VINYL ACETATE											
	75-01-4	VINYL CHLORIDE											
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
RSK175	1333-74-0	HYDROGEN											
	74-82-8	METHANE											

Library Validation Criteria: Inorganic Instrument Calibration

Library Group ID : ECO_BrownandBryant_121114 All Inorganic methods

			Initial Calibration			Initial Calibration Verification					Continuing Calibration Verification				
							Percent Recovery					Percent Recovery			
Analytical Method	**Client Analyte ID**	**Analyte Name**	**RRF**	**%RSD**	**Corr Co**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**
300.0	17778-88-0	Nitrate-N													
	14797-65-0	Nitrite-N													
	14808-79-8	SULFATE													
415.1	E-10195	TOC													
SM4500S2D	18496-25-8	SULFIDE													

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z

Reason Code Library: Example 2

Category	Code
Low Bias Indicator	L
High Bias Indicator	H
Temperature	1
Holding Times	
Sampling to Analysis	3
Sampling to Extraction	4
Extaction to Analysis	5
Method Blanks	6
Surrogate Recovery	7
MS/MSD	
MS/MSD Recovery	8
MS/MSD RPD	9
LCS	
LCS Recovery	10
LCS RPD	11
Reporting Limits	12
Field QC	
Field Blank	13
Equipment Blank	14
Trip Blank	15
Field Duplicate	16

Category	Code
Initial Calibration	
Initial Calibration RRF	17
Initial Calibration RSD	18
Initial Calibration Cor. Coef	19
Initial Calibration Verification	
Initial Calibration Verificaton RRF	20
Initial CalibrationVerification %D	21
Continuing Calibration	
Continuing Calibraiton RRF	22
Continuing Calibration %D	23
GC/MS Tune	
GC/MS Tune for Initial Calibration	24
GC/MS Tune for Continuing Calibration	25
Laboratory Duplicate	26

EDD Non-Conformance Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	1249
0005	0
0006	0
0007	2
0008	0
0009	0
0010	0
0011	0
0012	10
0013	0
0014	0
0015	0
0016	0
0017	0
0018	0
0019	0

Type	Count
0020	0
0021	0
0022	0
0023	0
0024	0
0025	2
0026	0
0027	0
0028	0
0029	0
0030	9
0031	0
0032	0
0033	0
0034	0
0035	0
0036	0
0037	0
0038	0

Total : 1,272

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01E01 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01D25 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch HED010W in method 8151.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01E01 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01D25 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch TCD008W in method 415.1.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch SFD004W in method SM4500S2D.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch ICD030W in method 300.0.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch HED010W in method 8151.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICD030WC, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICD030WL, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICD028WL, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICD028WC, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing MS spike compound	0012	Nitrite-N is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D156-11IM, Analysis Type DL, analyzed by method 300.0.	

EDD Non-Conformance Detail Report
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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing MS spike compound	0012	SULFATE is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D156-11M, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MS spike compound	0012	Nitrate-N is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D156-11M, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	Nitrite-N is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D156-11IS, Analysis Type DL, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	Nitrate-N is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D156-11S, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	SULFATE is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D156-11S, Analysis Type RES, analyzed by method 300.0.	
A1		Missing records	0007	Client Sample ID ICD028WB in Table A1 is missing a result record for CAS No. 14797-65-0 (Nitrite-N), by Method 300.0. Either the record is missing or one or more field elements are entered incorrectly.	
A1		Missing records	0007	Client Sample ID ICD030WB in Table A1 is missing a result record for CAS No. 14797-65-0 (Nitrite-N), by Method 300.0. Either the record is missing or one or more field elements are entered incorrectly.	
A1	1	Reporting_Limit_Type	0004	RL	
A1	2	Reporting_Limit_Type	0004	RL	
A1	3	Reporting_Limit_Type	0004	RL	
A1	4	Reporting_Limit_Type	0004	RL	
A1	5	Reporting_Limit_Type	0004	RL	
A1	6	Reporting_Limit_Type	0004	RL	
A1	7	Reporting_Limit_Type	0004	RL	
A1	8	Reporting_Limit_Type	0004	RL	
A1	9	Reporting_Limit_Type	0004	RL	
A1	10	Reporting_Limit_Type	0004	RL	
A1	11	Reporting_Limit_Type	0004	RL	
A1	12	Reporting_Limit_Type	0004	RL	
A1	13	Reporting_Limit_Type	0004	RL	
A1	14	Reporting_Limit_Type	0004	RL	

EDD Non-Conformance Detail Report
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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	15	Reporting_Limit_Type	0004	RL		
A1	16	Reporting_Limit_Type	0004	RL		
A1	17	Reporting_Limit_Type	0004	RL		
A1	18	Reporting_Limit_Type	0004	RL		
A1	19	Reporting_Limit_Type	0004	RL		
A1	20	Reporting_Limit_Type	0004	RL		
A1	21	Reporting_Limit_Type	0004	RL		
A1	22	Reporting_Limit_Type	0004	RL		
A1	23	Reporting_Limit_Type	0004	RL		
A1	24	Reporting_Limit_Type	0004	RL		
A1	25	Reporting_Limit_Type	0004	RL		
A1	26	Reporting_Limit_Type	0004	RL		
A1	27	Reporting_Limit_Type	0004	RL		
A1	28	Reporting_Limit_Type	0004	RL		
A1	29	Reporting_Limit_Type	0004	RL		
A1	30	Reporting_Limit_Type	0004	RL		
A1	31	Reporting_Limit_Type	0004	RL		
A1	32	Reporting_Limit_Type	0004	RL		
A1	33	Reporting_Limit_Type	0004	RL		
A1	34	Reporting_Limit_Type	0004	RL		
A1	35	Reporting_Limit_Type	0004	RL		
A1	36	Reporting_Limit_Type	0004	RL		
A1	37	Reporting_Limit_Type	0004	RL		
A1	38	Reporting_Limit_Type	0004	RL		
A1	39	Reporting_Limit_Type	0004	RL		
A1	40	Reporting_Limit_Type	0004	RL		
A1	41	Reporting_Limit_Type	0004	RL		
A1	42	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	43	Reporting_Limit_Type	0004	RL		
A1	44	Reporting_Limit_Type	0004	RL		
A1	45	Reporting_Limit_Type	0004	RL		
A1	46	Reporting_Limit_Type	0004	RL		
A1	47	Reporting_Limit_Type	0004	RL		
A1	48	Reporting_Limit_Type	0004	RL		
A1	49	Reporting_Limit_Type	0004	RL		
A1	50	Reporting_Limit_Type	0004	RL		
A1	51	Reporting_Limit_Type	0004	RL		
A1	52	Reporting_Limit_Type	0004	RL		
A1	53	Reporting_Limit_Type	0004	RL		
A1	54	Reporting_Limit_Type	0004	RL		
A1	55	Reporting_Limit_Type	0004	RL		
A1	56	Reporting_Limit_Type	0004	RL		
A1	57	Reporting_Limit_Type	0004	RL		
A1	58	Reporting_Limit_Type	0004	RL		
A1	59	Reporting_Limit_Type	0004	RL		
A1	60	Reporting_Limit_Type	0004	RL		
A1	61	Reporting_Limit_Type	0004	RL		
A1	62	Reporting_Limit_Type	0004	RL		
A1	63	Reporting_Limit_Type	0004	RL		
A1	64	Reporting_Limit_Type	0004	RL		
A1	65	Reporting_Limit_Type	0004	RL		
A1	66	Reporting_Limit_Type	0004	RL		
A1	67	Reporting_Limit_Type	0004	RL		
A1	68	Reporting_Limit_Type	0004	RL		
A1	69	Reporting_Limit_Type	0004	RL		
A1	70	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	71	Reporting_Limit_Type	0004	RL		
A1	72	Reporting_Limit_Type	0004	RL		
A1	73	Reporting_Limit_Type	0004	RL		
A1	74	Reporting_Limit_Type	0004	RL		
A1	75	Reporting_Limit_Type	0004	RL		
A1	76	Reporting_Limit_Type	0004	RL		
A1	77	Reporting_Limit_Type	0004	RL		
A1	78	Reporting_Limit_Type	0004	RL		
A1	79	Reporting_Limit_Type	0004	RL		
A1	80	Reporting_Limit_Type	0004	RL		
A1	81	Reporting_Limit_Type	0004	RL		
A1	82	Reporting_Limit_Type	0004	RL		
A1	83	Reporting_Limit_Type	0004	RL		
A1	84	Reporting_Limit_Type	0004	RL		
A1	85	Reporting_Limit_Type	0004	RL		
A1	86	Reporting_Limit_Type	0004	RL		
A1	87	Reporting_Limit_Type	0004	RL		
A1	88	Reporting_Limit_Type	0004	RL		
A1	89	Reporting_Limit_Type	0004	RL		
A1	90	Reporting_Limit_Type	0004	RL		
A1	91	Reporting_Limit_Type	0004	RL		
A1	92	Reporting_Limit_Type	0004	RL		
A1	93	Reporting_Limit_Type	0004	RL		
A1	94	Reporting_Limit_Type	0004	RL		
A1	95	Reporting_Limit_Type	0004	RL		
A1	96	Reporting_Limit_Type	0004	RL		
A1	97	Reporting_Limit_Type	0004	RL		
A1	98	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	99	Reporting_Limit_Type	0004	RL		
A1	100	Reporting_Limit_Type	0004	RL		
A1	101	Reporting_Limit_Type	0004	RL		
A1	102	Reporting_Limit_Type	0004	RL		
A1	103	Reporting_Limit_Type	0004	RL		
A1	104	Reporting_Limit_Type	0004	RL		
A1	105	Reporting_Limit_Type	0004	RL		
A1	106	Reporting_Limit_Type	0004	RL		
A1	107	Reporting_Limit_Type	0004	RL		
A1	108	Reporting_Limit_Type	0004	RL		
A1	109	Reporting_Limit_Type	0004	RL		
A1	110	Reporting_Limit_Type	0004	RL		
A1	111	Reporting_Limit_Type	0004	RL		
A1	112	Reporting_Limit_Type	0004	RL		
A1	113	Reporting_Limit_Type	0004	RL		
A1	114	Reporting_Limit_Type	0004	RL		
A1	115	Reporting_Limit_Type	0004	RL		
A1	116	Reporting_Limit_Type	0004	RL		
A1	117	Reporting_Limit_Type	0004	RL		
A1	118	Reporting_Limit_Type	0004	RL		
A1	119	Reporting_Limit_Type	0004	RL		
A1	120	Reporting_Limit_Type	0004	RL		
A1	121	Reporting_Limit_Type	0004	RL		
A1	122	Reporting_Limit_Type	0004	RL		
A1	123	Reporting_Limit_Type	0004	RL		
A1	124	Reporting_Limit_Type	0004	RL		
A1	125	Reporting_Limit_Type	0004	RL		
A1	126	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	127	Reporting_Limit_Type	0004	RL		
A1	128	Reporting_Limit_Type	0004	RL		
A1	129	Reporting_Limit_Type	0004	RL		
A1	130	Reporting_Limit_Type	0004	RL		
A1	131	Reporting_Limit_Type	0004	RL		
A1	132	Reporting_Limit_Type	0004	RL		
A1	133	Reporting_Limit_Type	0004	RL		
A1	134	Reporting_Limit_Type	0004	RL		
A1	135	Reporting_Limit_Type	0004	RL		
A1	136	Reporting_Limit_Type	0004	RL		
A1	137	Reporting_Limit_Type	0004	RL		
A1	138	Reporting_Limit_Type	0004	RL		
A1	139	Reporting_Limit_Type	0004	RL		
A1	140	Reporting_Limit_Type	0004	RL		
A1	141	Reporting_Limit_Type	0004	RL		
A1	142	Reporting_Limit_Type	0004	RL		
A1	143	Reporting_Limit_Type	0004	RL		
A1	144	Reporting_Limit_Type	0004	RL		
A1	145	Reporting_Limit_Type	0004	RL		
A1	146	Reporting_Limit_Type	0004	RL		
A1	147	Reporting_Limit_Type	0004	RL		
A1	148	Reporting_Limit_Type	0004	RL		
A1	149	Reporting_Limit_Type	0004	RL		
A1	150	Reporting_Limit_Type	0004	RL		
A1	151	Reporting_Limit_Type	0004	RL		
A1	152	Reporting_Limit_Type	0004	RL		
A1	153	Reporting_Limit_Type	0004	RL		
A1	154	Reporting_Limit_Type	0004	RL		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	155	Reporting_Limit_Type	0004	RL		
A1	156	Reporting_Limit_Type	0004	RL		
A1	157	Reporting_Limit_Type	0004	RL		
A1	158	Reporting_Limit_Type	0004	RL		
A1	159	Reporting_Limit_Type	0004	RL		
A1	160	Reporting_Limit_Type	0004	RL		
A1	161	Reporting_Limit_Type	0004	RL		
A1	162	Reporting_Limit_Type	0004	RL		
A1	163	Reporting_Limit_Type	0004	RL		
A1	164	Reporting_Limit_Type	0004	RL		
A1	165	Reporting_Limit_Type	0004	RL		
A1	166	Reporting_Limit_Type	0004	RL		
A1	167	Reporting_Limit_Type	0004	RL		
A1	168	Reporting_Limit_Type	0004	RL		
A1	169	Reporting_Limit_Type	0004	RL		
A1	170	Reporting_Limit_Type	0004	RL		
A1	171	Reporting_Limit_Type	0004	RL		
A1	172	Reporting_Limit_Type	0004	RL		
A1	173	Reporting_Limit_Type	0004	RL		
A1	174	Reporting_Limit_Type	0004	RL		
A1	175	Reporting_Limit_Type	0004	RL		
A1	176	Reporting_Limit_Type	0004	RL		
A1	177	Reporting_Limit_Type	0004	RL		
A1	178	Reporting_Limit_Type	0004	RL		
A1	179	Reporting_Limit_Type	0004	RL		
A1	180	Reporting_Limit_Type	0004	RL		
A1	181	Reporting_Limit_Type	0004	RL		
A1	182	Reporting_Limit_Type	0004	RL		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	183	Reporting_Limit_Type	0004	RL		
A1	184	Reporting_Limit_Type	0004	RL		
A1	185	Reporting_Limit_Type	0004	RL		
A1	186	Reporting_Limit_Type	0004	RL		
A1	187	Reporting_Limit_Type	0004	RL		
A1	188	Reporting_Limit_Type	0004	RL		
A1	189	Reporting_Limit_Type	0004	RL		
A1	190	Reporting_Limit_Type	0004	RL		
A1	191	Reporting_Limit_Type	0004	RL		
A1	192	Reporting_Limit_Type	0004	RL		
A1	193	Reporting_Limit_Type	0004	RL		
A1	194	Reporting_Limit_Type	0004	RL		
A1	195	Reporting_Limit_Type	0004	RL		
A1	196	Reporting_Limit_Type	0004	RL		
A1	197	Reporting_Limit_Type	0004	RL		
A1	198	Reporting_Limit_Type	0004	RL		
A1	199	Reporting_Limit_Type	0004	RL		
A1	200	Reporting_Limit_Type	0004	RL		
A1	201	Reporting_Limit_Type	0004	RL		
A1	202	Reporting_Limit_Type	0004	RL		
A1	203	Reporting_Limit_Type	0004	RL		
A1	204	Reporting_Limit_Type	0004	RL		
A1	205	Reporting_Limit_Type	0004	RL		
A1	206	Reporting_Limit_Type	0004	RL		
A1	207	Reporting_Limit_Type	0004	RL		
A1	208	Reporting_Limit_Type	0004	RL		
A1	209	Reporting_Limit_Type	0004	RL		
A1	210	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	211	Reporting_Limit_Type	0004	RL		
A1	212	Reporting_Limit_Type	0004	RL		
A1	213	Reporting_Limit_Type	0004	RL		
A1	214	Reporting_Limit_Type	0004	RL		
A1	215	Reporting_Limit_Type	0004	RL		
A1	216	Reporting_Limit_Type	0004	RL		
A1	217	Reporting_Limit_Type	0004	RL		
A1	218	Reporting_Limit_Type	0004	RL		
A1	219	Reporting_Limit_Type	0004	RL		
A1	220	Reporting_Limit_Type	0004	RL		
A1	221	Reporting_Limit_Type	0004	RL		
A1	222	Reporting_Limit_Type	0004	RL		
A1	223	Reporting_Limit_Type	0004	RL		
A1	224	Reporting_Limit_Type	0004	RL		
A1	225	Reporting_Limit_Type	0004	RL		
A1	226	Reporting_Limit_Type	0004	RL		
A1	227	Reporting_Limit_Type	0004	RL		
A1	228	Reporting_Limit_Type	0004	RL		
A1	229	Reporting_Limit_Type	0004	RL		
A1	230	Reporting_Limit_Type	0004	RL		
A1	231	Reporting_Limit_Type	0004	RL		
A1	232	Reporting_Limit_Type	0004	RL		
A1	233	Reporting_Limit_Type	0004	RL		
A1	234	Reporting_Limit_Type	0004	RL		
A1	235	Reporting_Limit_Type	0004	RL		
A1	236	Reporting_Limit_Type	0004	RL		
A1	237	Reporting_Limit_Type	0004	RL		
A1	238	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	239	Reporting_Limit_Type	0004	RL		
A1	240	Reporting_Limit_Type	0004	RL		
A1	241	Reporting_Limit_Type	0004	RL		
A1	242	Reporting_Limit_Type	0004	RL		
A1	243	Reporting_Limit_Type	0004	RL		
A1	244	Reporting_Limit_Type	0004	RL		
A1	245	Reporting_Limit_Type	0004	RL		
A1	246	Reporting_Limit_Type	0004	RL		
A1	247	Reporting_Limit_Type	0004	RL		
A1	248	Reporting_Limit_Type	0004	RL		
A1	249	Reporting_Limit_Type	0004	RL		
A1	250	Reporting_Limit_Type	0004	RL		
A1	251	Reporting_Limit_Type	0004	RL		
A1	252	Reporting_Limit_Type	0004	RL		
A1	253	Reporting_Limit_Type	0004	RL		
A1	254	Reporting_Limit_Type	0004	RL		
A1	255	Reporting_Limit_Type	0004	RL		
A1	256	Reporting_Limit_Type	0004	RL		
A1	257	Reporting_Limit_Type	0004	RL		
A1	258	Reporting_Limit_Type	0004	RL		
A1	259	Reporting_Limit_Type	0004	RL		
A1	260	Reporting_Limit_Type	0004	RL		
A1	261	Reporting_Limit_Type	0004	RL		
A1	262	Reporting_Limit_Type	0004	RL		
A1	263	Reporting_Limit_Type	0004	RL		
A1	264	Reporting_Limit_Type	0004	RL		
A1	265	Reporting_Limit_Type	0004	RL		
A1	266	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	267	Reporting_Limit_Type	0004	RL		
A1	268	Reporting_Limit_Type	0004	RL		
A1	269	Reporting_Limit_Type	0004	RL		
A1	270	Reporting_Limit_Type	0004	RL		
A1	271	Reporting_Limit_Type	0004	RL		
A1	272	Reporting_Limit_Type	0004	RL		
A1	273	Reporting_Limit_Type	0004	RL		
A1	274	Reporting_Limit_Type	0004	RL		
A1	275	Reporting_Limit_Type	0004	RL		
A1	276	Reporting_Limit_Type	0004	RL		
A1	277	Reporting_Limit_Type	0004	RL		
A1	278	Reporting_Limit_Type	0004	RL		
A1	279	Reporting_Limit_Type	0004	RL		
A1	280	Reporting_Limit_Type	0004	RL		
A1	281	Reporting_Limit_Type	0004	RL		
A1	282	Reporting_Limit_Type	0004	RL		
A1	283	Reporting_Limit_Type	0004	RL		
A1	284	Reporting_Limit_Type	0004	RL		
A1	285	Reporting_Limit_Type	0004	RL		
A1	286	Reporting_Limit_Type	0004	RL		
A1	287	Reporting_Limit_Type	0004	RL		
A1	288	Reporting_Limit_Type	0004	RL		
A1	289	Reporting_Limit_Type	0004	RL		
A1	290	Reporting_Limit_Type	0004	RL		
A1	291	Reporting_Limit_Type	0004	RL		
A1	292	Reporting_Limit_Type	0004	RL		
A1	293	Reporting_Limit_Type	0004	RL		
A1	294	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	295	Reporting_Limit_Type	0004	RL		
A1	296	Reporting_Limit_Type	0004	RL		
A1	297	Reporting_Limit_Type	0004	RL		
A1	298	Reporting_Limit_Type	0004	RL		
A1	299	Reporting_Limit_Type	0004	RL		
A1	300	Reporting_Limit_Type	0004	RL		
A1	301	Reporting_Limit_Type	0004	RL		
A1	302	Reporting_Limit_Type	0004	RL		
A1	303	Reporting_Limit_Type	0004	RL		
A1	304	Reporting_Limit_Type	0004	RL		
A1	305	Reporting_Limit_Type	0004	RL		
A1	306	Reporting_Limit_Type	0004	RL		
A1	307	Reporting_Limit_Type	0004	RL		
A1	308	Reporting_Limit_Type	0004	RL		
A1	309	Reporting_Limit_Type	0004	RL		
A1	310	Reporting_Limit_Type	0004	RL		
A1	311	Reporting_Limit_Type	0004	RL		
A1	312	Reporting_Limit_Type	0004	RL		
A1	313	Reporting_Limit_Type	0004	RL		
A1	314	Reporting_Limit_Type	0004	RL		
A1	315	Reporting_Limit_Type	0004	RL		
A1	316	Reporting_Limit_Type	0004	RL		
A1	317	Reporting_Limit_Type	0004	RL		
A1	318	Reporting_Limit_Type	0004	RL		
A1	319	Reporting_Limit_Type	0004	RL		
A1	320	Reporting_Limit_Type	0004	RL		
A1	321	Reporting_Limit_Type	0004	RL		
A1	322	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	323	Reporting_Limit_Type	0004	RL		
A1	324	Reporting_Limit_Type	0004	RL		
A1	325	Reporting_Limit_Type	0004	RL		
A1	326	Reporting_Limit_Type	0004	RL		
A1	327	Reporting_Limit_Type	0004	RL		
A1	328	Reporting_Limit_Type	0004	RL		
A1	329	Reporting_Limit_Type	0004	RL		
A1	330	Reporting_Limit_Type	0004	RL		
A1	331	Reporting_Limit_Type	0004	RL		
A1	332	Reporting_Limit_Type	0004	RL		
A1	333	Reporting_Limit_Type	0004	RL		
A1	334	Reporting_Limit_Type	0004	RL		
A1	335	Reporting_Limit_Type	0004	RL		
A1	336	Reporting_Limit_Type	0004	RL		
A1	337	Reporting_Limit_Type	0004	RL		
A1	338	Reporting_Limit_Type	0004	RL		
A1	339	Reporting_Limit_Type	0004	RL		
A1	340	Reporting_Limit_Type	0004	RL		
A1	341	Reporting_Limit_Type	0004	RL		
A1	342	Reporting_Limit_Type	0004	RL		
A1	343	Reporting_Limit_Type	0004	RL		
A1	344	Reporting_Limit_Type	0004	RL		
A1	345	Reporting_Limit_Type	0004	RL		
A1	346	Reporting_Limit_Type	0004	RL		
A1	347	Reporting_Limit_Type	0004	RL		
A1	348	Reporting_Limit_Type	0004	RL		
A1	349	Reporting_Limit_Type	0004	RL		
A1	350	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	351	Reporting_Limit_Type	0004	RL		
A1	352	Reporting_Limit_Type	0004	RL		
A1	353	Reporting_Limit_Type	0004	RL		
A1	354	Reporting_Limit_Type	0004	RL		
A1	355	Reporting_Limit_Type	0004	RL		
A1	356	Reporting_Limit_Type	0004	RL		
A1	357	Reporting_Limit_Type	0004	RL		
A1	358	Reporting_Limit_Type	0004	RL		
A1	359	Reporting_Limit_Type	0004	RL		
A1	360	Reporting_Limit_Type	0004	RL		
A1	361	Reporting_Limit_Type	0004	RL		
A1	362	Reporting_Limit_Type	0004	RL		
A1	363	Reporting_Limit_Type	0004	RL		
A1	364	Reporting_Limit_Type	0004	RL		
A1	365	Reporting_Limit_Type	0004	RL		
A1	366	Reporting_Limit_Type	0004	RL		
A1	367	Reporting_Limit_Type	0004	RL		
A1	368	Reporting_Limit_Type	0004	RL		
A1	369	Reporting_Limit_Type	0004	RL		
A1	370	Reporting_Limit_Type	0004	RL		
A1	371	Reporting_Limit_Type	0004	RL		
A1	372	Reporting_Limit_Type	0004	RL		
A1	373	Reporting_Limit_Type	0004	RL		
A1	374	Reporting_Limit_Type	0004	RL		
A1	375	Reporting_Limit_Type	0004	RL		
A1	376	Reporting_Limit_Type	0004	RL		
A1	377	Reporting_Limit_Type	0004	RL		
A1	378	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	379	Reporting_Limit_Type	0004	RL		
A1	380	Reporting_Limit_Type	0004	RL		
A1	381	Reporting_Limit_Type	0004	RL		
A1	382	Reporting_Limit_Type	0004	RL		
A1	383	Reporting_Limit_Type	0004	RL		
A1	384	Reporting_Limit_Type	0004	RL		
A1	385	Reporting_Limit_Type	0004	RL		
A1	386	Reporting_Limit_Type	0004	RL		
A1	387	Reporting_Limit_Type	0004	RL		
A1	388	Reporting_Limit_Type	0004	RL		
A1	389	Reporting_Limit_Type	0004	RL		
A1	390	Reporting_Limit_Type	0004	RL		
A1	391	Reporting_Limit_Type	0004	RL		
A1	392	Reporting_Limit_Type	0004	RL		
A1	393	Reporting_Limit_Type	0004	RL		
A1	394	Reporting_Limit_Type	0004	RL		
A1	395	Reporting_Limit_Type	0004	RL		
A1	396	Reporting_Limit_Type	0004	RL		
A1	397	Reporting_Limit_Type	0004	RL		
A1	398	Reporting_Limit_Type	0004	RL		
A1	399	Reporting_Limit_Type	0004	RL		
A1	400	Reporting_Limit_Type	0004	RL		
A1	401	Reporting_Limit_Type	0004	RL		
A1	402	Reporting_Limit_Type	0004	RL		
A1	403	Reporting_Limit_Type	0004	RL		
A1	404	Reporting_Limit_Type	0004	RL		
A1	405	Reporting_Limit_Type	0004	RL		
A1	406	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	407	Reporting_Limit_Type	0004	RL		
A1	408	Reporting_Limit_Type	0004	RL		
A1	409	Reporting_Limit_Type	0004	RL		
A1	410	Reporting_Limit_Type	0004	RL		
A1	411	Reporting_Limit_Type	0004	RL		
A1	412	Reporting_Limit_Type	0004	RL		
A1	413	Reporting_Limit_Type	0004	RL		
A1	414	Reporting_Limit_Type	0004	RL		
A1	415	Reporting_Limit_Type	0004	RL		
A1	416	Reporting_Limit_Type	0004	RL		
A1	417	Reporting_Limit_Type	0004	RL		
A1	418	Reporting_Limit_Type	0004	RL		
A1	419	Reporting_Limit_Type	0004	RL		
A1	420	Reporting_Limit_Type	0004	RL		
A1	421	Reporting_Limit_Type	0004	RL		
A1	422	Reporting_Limit_Type	0004	RL		
A1	423	Reporting_Limit_Type	0004	RL		
A1	424	Reporting_Limit_Type	0004	RL		
A1	425	Reporting_Limit_Type	0004	RL		
A1	426	Reporting_Limit_Type	0004	RL		
A1	427	Reporting_Limit_Type	0004	RL		
A1	428	Reporting_Limit_Type	0004	RL		
A1	429	Reporting_Limit_Type	0004	RL		
A1	430	Reporting_Limit_Type	0004	RL		
A1	431	Reporting_Limit_Type	0004	RL		
A1	432	Reporting_Limit_Type	0004	RL		
A1	433	Reporting_Limit_Type	0004	RL		
A1	434	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	435	Reporting_Limit_Type	0004	RL		
A1	436	Reporting_Limit_Type	0004	RL		
A1	437	Reporting_Limit_Type	0004	RL		
A1	438	Reporting_Limit_Type	0004	RL		
A1	439	Reporting_Limit_Type	0004	RL		
A1	440	Reporting_Limit_Type	0004	RL		
A1	441	Reporting_Limit_Type	0004	RL		
A1	442	Reporting_Limit_Type	0004	RL		
A1	443	Reporting_Limit_Type	0004	RL		
A1	444	Reporting_Limit_Type	0004	RL		
A1	445	Reporting_Limit_Type	0004	RL		
A1	446	Reporting_Limit_Type	0004	RL		
A1	447	Reporting_Limit_Type	0004	RL		
A1	448	Reporting_Limit_Type	0004	RL		
A1	449	Reporting_Limit_Type	0004	RL		
A1	450	Reporting_Limit_Type	0004	RL		
A1	451	Reporting_Limit_Type	0004	RL		
A1	452	Reporting_Limit_Type	0004	RL		
A1	453	Reporting_Limit_Type	0004	RL		
A1	454	Reporting_Limit_Type	0004	RL		
A1	455	Reporting_Limit_Type	0004	RL		
A1	456	Reporting_Limit_Type	0004	RL		
A1	457	Reporting_Limit_Type	0004	RL		
A1	458	Reporting_Limit_Type	0004	RL		
A1	459	Reporting_Limit_Type	0004	RL		
A1	460	Reporting_Limit_Type	0004	RL		
A1	461	Reporting_Limit_Type	0004	RL		
A1	462	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	463	Reporting_Limit_Type	0004	RL		
A1	464	Reporting_Limit_Type	0004	RL		
A1	465	Reporting_Limit_Type	0004	RL		
A1	466	Reporting_Limit_Type	0004	RL		
A1	467	Reporting_Limit_Type	0004	RL		
A1	468	Reporting_Limit_Type	0004	RL		
A1	469	Reporting_Limit_Type	0004	RL		
A1	470	Reporting_Limit_Type	0004	RL		
A1	471	Reporting_Limit_Type	0004	RL		
A1	472	Reporting_Limit_Type	0004	RL		
A1	473	Reporting_Limit_Type	0004	RL		
A1	474	Reporting_Limit_Type	0004	RL		
A1	475	Reporting_Limit_Type	0004	RL		
A1	476	Reporting_Limit_Type	0004	RL		
A1	477	Reporting_Limit_Type	0004	RL		
A1	478	Reporting_Limit_Type	0004	RL		
A1	479	Reporting_Limit_Type	0004	RL		
A1	480	Reporting_Limit_Type	0004	RL		
A1	481	Reporting_Limit_Type	0004	RL		
A1	482	Reporting_Limit_Type	0004	RL		
A1	483	Reporting_Limit_Type	0004	RL		
A1	484	Reporting_Limit_Type	0004	RL		
A1	485	Reporting_Limit_Type	0004	RL		
A1	486	Reporting_Limit_Type	0004	RL		
A1	487	Reporting_Limit_Type	0004	RL		
A1	488	Reporting_Limit_Type	0004	RL		
A1	489	Reporting_Limit_Type	0004	RL		
A1	490	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	491	Reporting_Limit_Type	0004	RL		
A1	492	Reporting_Limit_Type	0004	RL		
A1	493	Reporting_Limit_Type	0004	RL		
A1	494	Reporting_Limit_Type	0004	RL		
A1	495	Reporting_Limit_Type	0004	RL		
A1	496	Reporting_Limit_Type	0004	RL		
A1	497	Reporting_Limit_Type	0004	RL		
A1	498	Reporting_Limit_Type	0004	RL		
A1	499	Reporting_Limit_Type	0004	RL		
A1	500	Reporting_Limit_Type	0004	RL		
A1	501	Reporting_Limit_Type	0004	RL		
A1	502	Reporting_Limit_Type	0004	RL		
A1	503	Reporting_Limit_Type	0004	RL		
A1	504	Reporting_Limit_Type	0004	RL		
A1	505	Reporting_Limit_Type	0004	RL		
A1	506	Reporting_Limit_Type	0004	RL		
A1	507	Reporting_Limit_Type	0004	RL		
A1	508	Reporting_Limit_Type	0004	RL		
A1	509	Reporting_Limit_Type	0004	RL		
A1	510	Reporting_Limit_Type	0004	RL		
A1	511	Reporting_Limit_Type	0004	RL		
A1	512	Reporting_Limit_Type	0004	RL		
A1	513	Reporting_Limit_Type	0004	RL		
A1	514	Reporting_Limit_Type	0004	RL		
A1	515	Reporting_Limit_Type	0004	RL		
A1	516	Reporting_Limit_Type	0004	RL		
A1	517	Reporting_Limit_Type	0004	RL		
A1	518	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	519	Reporting_Limit_Type	0004	RL		
A1	520	Reporting_Limit_Type	0004	RL		
A1	521	Reporting_Limit_Type	0004	RL		
A1	522	Reporting_Limit_Type	0004	RL		
A1	523	Reporting_Limit_Type	0004	RL		
A1	524	Reporting_Limit_Type	0004	RL		
A1	525	Reporting_Limit_Type	0004	RL		
A1	526	Reporting_Limit_Type	0004	RL		
A1	527	Reporting_Limit_Type	0004	RL		
A1	528	Reporting_Limit_Type	0004	RL		
A1	529	Reporting_Limit_Type	0004	RL		
A1	530	Reporting_Limit_Type	0004	RL		
A1	531	Reporting_Limit_Type	0004	RL		
A1	532	Reporting_Limit_Type	0004	RL		
A1	533	Reporting_Limit_Type	0004	RL		
A1	534	Reporting_Limit_Type	0004	RL		
A1	535	Reporting_Limit_Type	0004	RL		
A1	536	Reporting_Limit_Type	0004	RL		
A1	537	Reporting_Limit_Type	0004	RL		
A1	538	Reporting_Limit_Type	0004	RL		
A1	539	Reporting_Limit_Type	0004	RL		
A1	540	Reporting_Limit_Type	0004	RL		
A1	541	Reporting_Limit_Type	0004	RL		
A1	542	Reporting_Limit_Type	0004	RL		
A1	543	Reporting_Limit_Type	0004	RL		
A1	544	Reporting_Limit_Type	0004	RL		
A1	545	Reporting_Limit_Type	0004	RL		
A1	546	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	547	Reporting_Limit_Type	0004	RL		
A1	548	Reporting_Limit_Type	0004	RL		
A1	549	Reporting_Limit_Type	0004	RL		
A1	550	Reporting_Limit_Type	0004	RL		
A1	551	Reporting_Limit_Type	0004	RL		
A1	552	Reporting_Limit_Type	0004	RL		
A1	553	Reporting_Limit_Type	0004	RL		
A1	554	Reporting_Limit_Type	0004	RL		
A1	555	Reporting_Limit_Type	0004	RL		
A1	556	Reporting_Limit_Type	0004	RL		
A1	557	Reporting_Limit_Type	0004	RL		
A1	558	Reporting_Limit_Type	0004	RL		
A1	559	Reporting_Limit_Type	0004	RL		
A1	560	Reporting_Limit_Type	0004	RL		
A1	561	Reporting_Limit_Type	0004	RL		
A1	562	Reporting_Limit_Type	0004	RL		
A1	563	Reporting_Limit_Type	0004	RL		
A1	564	Reporting_Limit_Type	0004	RL		
A1	565	Reporting_Limit_Type	0004	RL		
A1	566	Reporting_Limit_Type	0004	RL		
A1	567	Reporting_Limit_Type	0004	RL		
A1	568	Reporting_Limit_Type	0004	RL		
A1	569	Reporting_Limit_Type	0004	RL		
A1	570	Reporting_Limit_Type	0004	RL		
A1	571	Reporting_Limit_Type	0004	RL		
A1	572	Reporting_Limit_Type	0004	RL		
A1	573	Reporting_Limit_Type	0004	RL		
A1	574	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	575	Reporting_Limit_Type	0004 RL		
A1	576	Reporting_Limit_Type	0004 RL		
A1	577	Reporting_Limit_Type	0004 RL		
A1	578	Reporting_Limit_Type	0004 RL		
A1	579	Reporting_Limit_Type	0004 RL		
A1	580	Reporting_Limit_Type	0004 RL		
A1	581	Reporting_Limit_Type	0004 RL		
A1	582	Reporting_Limit_Type	0004 RL		
A1	583	Reporting_Limit_Type	0004 RL		
A1	584	Reporting_Limit_Type	0004 RL		
A1	585	Reporting_Limit_Type	0004 RL		
A1	586	Reporting_Limit_Type	0004 RL		
A1	587	Reporting_Limit_Type	0004 RL		
A1	588	Reporting_Limit_Type	0004 RL		
A1	589	Reporting_Limit_Type	0004 RL		
A1	590	Reporting_Limit_Type	0004 RL		
A1	591	Reporting_Limit_Type	0004 RL		
A1	592	Reporting_Limit_Type	0004 RL		
A1	593	Reporting_Limit_Type	0004 RL		
A1	594	Reporting_Limit_Type	0004 RL		
A1	595	Reporting_Limit_Type	0004 RL		
A1	596	Reporting_Limit_Type	0004 RL		
A1	597	Reporting_Limit_Type	0004 RL		
A1	598	Reporting_Limit_Type	0004 RL		
A1	599	Reporting_Limit_Type	0004 RL		
A1	600	Reporting_Limit_Type	0004 RL		
A1	601	Reporting_Limit_Type	0004 RL		
A1	602	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	603	Reporting_Limit_Type	0004	RL		
A1	604	Reporting_Limit_Type	0004	RL		
A1	605	Reporting_Limit_Type	0004	RL		
A1	606	Reporting_Limit_Type	0004	RL		
A1	607	Reporting_Limit_Type	0004	RL		
A1	608	Reporting_Limit_Type	0004	RL		
A1	609	Reporting_Limit_Type	0004	RL		
A1	610	Reporting_Limit_Type	0004	RL		
A1	611	Reporting_Limit_Type	0004	RL		
A1	612	Reporting_Limit_Type	0004	RL		
A1	613	Reporting_Limit_Type	0004	RL		
A1	614	Reporting_Limit_Type	0004	RL		
A1	615	Reporting_Limit_Type	0004	RL		
A1	616	Reporting_Limit_Type	0004	RL		
A1	617	Reporting_Limit_Type	0004	RL		
A1	618	Reporting_Limit_Type	0004	RL		
A1	619	Reporting_Limit_Type	0004	RL		
A1	620	Reporting_Limit_Type	0004	RL		
A1	621	Reporting_Limit_Type	0004	RL		
A1	622	Reporting_Limit_Type	0004	RL		
A1	623	Reporting_Limit_Type	0004	RL		
A1	624	Reporting_Limit_Type	0004	RL		
A1	625	Reporting_Limit_Type	0004	RL		
A1	626	Reporting_Limit_Type	0004	RL		
A1	627	Reporting_Limit_Type	0004	RL		
A1	628	Reporting_Limit_Type	0004	RL		
A1	629	Reporting_Limit_Type	0004	RL		
A1	630	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	631	Reporting_Limit_Type	0004	RL		
A1	632	Reporting_Limit_Type	0004	RL		
A1	633	Reporting_Limit_Type	0004	RL		
A1	634	Reporting_Limit_Type	0004	RL		
A1	635	Reporting_Limit_Type	0004	RL		
A1	636	Reporting_Limit_Type	0004	RL		
A1	637	Reporting_Limit_Type	0004	RL		
A1	638	Reporting_Limit_Type	0004	RL		
A1	639	Reporting_Limit_Type	0004	RL		
A1	640	Reporting_Limit_Type	0004	RL		
A1	641	Reporting_Limit_Type	0004	RL		
A1	642	Reporting_Limit_Type	0004	RL		
A1	643	Reporting_Limit_Type	0004	RL		
A1	644	Reporting_Limit_Type	0004	RL		
A1	645	Reporting_Limit_Type	0004	RL		
A1	646	Reporting_Limit_Type	0004	RL		
A1	647	Reporting_Limit_Type	0004	RL		
A1	648	Reporting_Limit_Type	0004	RL		
A1	649	Reporting_Limit_Type	0004	RL		
A1	650	Reporting_Limit_Type	0004	RL		
A1	651	Reporting_Limit_Type	0004	RL		
A1	652	Reporting_Limit_Type	0004	RL		
A1	653	Reporting_Limit_Type	0004	RL		
A1	654	Reporting_Limit_Type	0004	RL		
A1	655	Reporting_Limit_Type	0004	RL		
A1	656	Reporting_Limit_Type	0004	RL		
A1	657	Reporting_Limit_Type	0004	RL		
A1	658	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	659	Reporting_Limit_Type	0004	RL		
A1	660	Reporting_Limit_Type	0004	RL		
A1	661	Reporting_Limit_Type	0004	RL		
A1	662	Reporting_Limit_Type	0004	RL		
A1	663	Reporting_Limit_Type	0004	RL		
A1	664	Reporting_Limit_Type	0004	RL		
A1	665	Reporting_Limit_Type	0004	RL		
A1	666	Reporting_Limit_Type	0004	RL		
A1	667	Reporting_Limit_Type	0004	RL		
A1	668	Reporting_Limit_Type	0004	RL		
A1	669	Reporting_Limit_Type	0004	RL		
A1	670	Reporting_Limit_Type	0004	RL		
A1	671	Reporting_Limit_Type	0004	RL		
A1	672	Reporting_Limit_Type	0004	RL		
A1	673	Reporting_Limit_Type	0004	RL		
A1	674	Reporting_Limit_Type	0004	RL		
A1	675	Reporting_Limit_Type	0004	RL		
A1	676	Reporting_Limit_Type	0004	RL		
A1	677	Reporting_Limit_Type	0004	RL		
A1	678	Reporting_Limit_Type	0004	RL		
A1	679	Reporting_Limit_Type	0004	RL		
A1	680	Reporting_Limit_Type	0004	RL		
A1	681	Reporting_Limit_Type	0004	RL		
A1	682	Reporting_Limit_Type	0004	RL		
A1	683	Reporting_Limit_Type	0004	RL		
A1	684	Reporting_Limit_Type	0004	RL		
A1	685	Reporting_Limit_Type	0004	RL		
A1	686	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	687	Reporting_Limit_Type	0004	RL		
A1	688	Reporting_Limit_Type	0004	RL		
A1	689	Reporting_Limit_Type	0004	RL		
A1	690	Reporting_Limit_Type	0004	RL		
A1	691	Reporting_Limit_Type	0004	RL		
A1	692	Reporting_Limit_Type	0004	RL		
A1	693	Reporting_Limit_Type	0004	RL		
A1	694	Reporting_Limit_Type	0004	RL		
A1	695	Reporting_Limit_Type	0004	RL		
A1	696	Reporting_Limit_Type	0004	RL		
A1	697	Reporting_Limit_Type	0004	RL		
A1	698	Reporting_Limit_Type	0004	RL		
A1	699	Reporting_Limit_Type	0004	RL		
A1	700	Reporting_Limit_Type	0004	RL		
A1	701	Reporting_Limit_Type	0004	RL		
A1	702	Reporting_Limit_Type	0004	RL		
A1	703	Reporting_Limit_Type	0004	RL		
A1	704	Reporting_Limit_Type	0004	RL		
A1	705	Reporting_Limit_Type	0004	RL		
A1	706	Reporting_Limit_Type	0004	RL		
A1	707	Reporting_Limit_Type	0004	RL		
A1	708	Reporting_Limit_Type	0004	RL		
A1	709	Reporting_Limit_Type	0004	RL		
A1	710	Reporting_Limit_Type	0004	RL		
A1	711	Reporting_Limit_Type	0004	RL		
A1	712	Reporting_Limit_Type	0004	RL		
A1	713	Reporting_Limit_Type	0004	RL		
A1	714	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	715	Reporting_Limit_Type	0004	RL		
A1	716	Reporting_Limit_Type	0004	RL		
A1	717	Reporting_Limit_Type	0004	RL		
A1	718	Reporting_Limit_Type	0004	RL		
A1	719	Reporting_Limit_Type	0004	RL		
A1	720	Reporting_Limit_Type	0004	RL		
A1	721	Reporting_Limit_Type	0004	RL		
A1	722	Reporting_Limit_Type	0004	RL		
A1	723	Reporting_Limit_Type	0004	RL		
A1	724	Reporting_Limit_Type	0004	RL		
A1	725	Reporting_Limit_Type	0004	RL		
A1	726	Reporting_Limit_Type	0004	RL		
A1	727	Reporting_Limit_Type	0004	RL		
A1	728	Reporting_Limit_Type	0004	RL		
A1	729	Reporting_Limit_Type	0004	RL		
A1	730	Reporting_Limit_Type	0004	RL		
A1	731	Reporting_Limit_Type	0004	RL		
A1	732	Reporting_Limit_Type	0004	RL		
A1	733	Reporting_Limit_Type	0004	RL		
A1	734	Reporting_Limit_Type	0004	RL		
A1	735	Reporting_Limit_Type	0004	RL		
A1	736	Reporting_Limit_Type	0004	RL		
A1	737	Reporting_Limit_Type	0004	RL		
A1	738	Reporting_Limit_Type	0004	RL		
A1	739	Reporting_Limit_Type	0004	RL		
A1	740	Reporting_Limit_Type	0004	RL		
A1	741	Reporting_Limit_Type	0004	RL		
A1	742	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	743	Reporting_Limit_Type	0004	RL		
A1	744	Reporting_Limit_Type	0004	RL		
A1	745	Reporting_Limit_Type	0004	RL		
A1	746	Reporting_Limit_Type	0004	RL		
A1	747	Reporting_Limit_Type	0004	RL		
A1	748	Reporting_Limit_Type	0004	RL		
A1	749	Reporting_Limit_Type	0004	RL		
A1	750	Reporting_Limit_Type	0004	RL		
A1	751	Reporting_Limit_Type	0004	RL		
A1	752	Reporting_Limit_Type	0004	RL		
A1	753	Reporting_Limit_Type	0004	RL		
A1	754	Reporting_Limit_Type	0004	RL		
A1	755	Reporting_Limit_Type	0004	RL		
A1	756	Reporting_Limit_Type	0004	RL		
A1	757	Reporting_Limit_Type	0004	RL		
A1	758	Reporting_Limit_Type	0004	RL		
A1	759	Reporting_Limit_Type	0004	RL		
A1	760	Reporting_Limit_Type	0004	RL		
A1	761	Reporting_Limit_Type	0004	RL		
A1	762	Reporting_Limit_Type	0004	RL		
A1	763	Reporting_Limit_Type	0004	RL		
A1	764	Reporting_Limit_Type	0004	RL		
A1	765	Reporting_Limit_Type	0004	RL		
A1	766	Reporting_Limit_Type	0004	RL		
A1	767	Reporting_Limit_Type	0004	RL		
A1	768	Reporting_Limit_Type	0004	RL		
A1	769	Reporting_Limit_Type	0004	RL		
A1	770	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	771	Reporting_Limit_Type	0004	RL		
A1	772	Reporting_Limit_Type	0004	RL		
A1	773	Reporting_Limit_Type	0004	RL		
A1	774	Reporting_Limit_Type	0004	RL		
A1	775	Reporting_Limit_Type	0004	RL		
A1	776	Reporting_Limit_Type	0004	RL		
A1	777	Reporting_Limit_Type	0004	RL		
A1	778	Reporting_Limit_Type	0004	RL		
A1	779	Reporting_Limit_Type	0004	RL		
A1	780	Reporting_Limit_Type	0004	RL		
A1	781	Reporting_Limit_Type	0004	RL		
A1	782	Reporting_Limit_Type	0004	RL		
A1	783	Reporting_Limit_Type	0004	RL		
A1	784	Reporting_Limit_Type	0004	RL		
A1	785	Reporting_Limit_Type	0004	RL		
A1	786	Reporting_Limit_Type	0004	RL		
A1	787	Reporting_Limit_Type	0004	RL		
A1	788	Reporting_Limit_Type	0004	RL		
A1	789	Reporting_Limit_Type	0004	RL		
A1	790	Reporting_Limit_Type	0004	RL		
A1	791	Reporting_Limit_Type	0004	RL		
A1	792	Reporting_Limit_Type	0004	RL		
A1	793	Reporting_Limit_Type	0004	RL		
A1	794	Reporting_Limit_Type	0004	RL		
A1	795	Reporting_Limit_Type	0004	RL		
A1	796	Reporting_Limit_Type	0004	RL		
A1	797	Reporting_Limit_Type	0004	RL		
A1	798	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	799	Reporting_Limit_Type	0004	RL		
A1	800	Reporting_Limit_Type	0004	RL		
A1	801	Reporting_Limit_Type	0004	RL		
A1	802	Reporting_Limit_Type	0004	RL		
A1	803	Reporting_Limit_Type	0004	RL		
A1	804	Reporting_Limit_Type	0004	RL		
A1	805	Reporting_Limit_Type	0004	RL		
A1	806	Reporting_Limit_Type	0004	RL		
A1	807	Reporting_Limit_Type	0004	RL		
A1	808	Reporting_Limit_Type	0004	RL		
A1	809	Reporting_Limit_Type	0004	RL		
A1	810	Reporting_Limit_Type	0004	RL		
A1	811	Reporting_Limit_Type	0004	RL		
A1	812	Reporting_Limit_Type	0004	RL		
A1	813	Reporting_Limit_Type	0004	RL		
A1	814	Reporting_Limit_Type	0004	RL		
A1	815	Reporting_Limit_Type	0004	RL		
A1	816	Reporting_Limit_Type	0004	RL		
A1	817	Reporting_Limit_Type	0004	RL		
A1	818	Reporting_Limit_Type	0004	RL		
A1	819	Reporting_Limit_Type	0004	RL		
A1	820	Reporting_Limit_Type	0004	RL		
A1	821	Reporting_Limit_Type	0004	RL		
A1	822	Reporting_Limit_Type	0004	RL		
A1	823	Reporting_Limit_Type	0004	RL		
A1	824	Reporting_Limit_Type	0004	RL		
A1	825	Reporting_Limit_Type	0004	RL		
A1	826	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	827	Reporting_Limit_Type	0004	RL		
A1	828	Reporting_Limit_Type	0004	RL		
A1	829	Reporting_Limit_Type	0004	RL		
A1	830	Reporting_Limit_Type	0004	RL		
A1	831	Reporting_Limit_Type	0004	RL		
A1	832	Reporting_Limit_Type	0004	RL		
A1	833	Reporting_Limit_Type	0004	RL		
A1	834	Reporting_Limit_Type	0004	RL		
A1	835	Reporting_Limit_Type	0004	RL		
A1	836	Reporting_Limit_Type	0004	RL		
A1	837	Reporting_Limit_Type	0004	RL		
A1	838	Reporting_Limit_Type	0004	RL		
A1	839	Reporting_Limit_Type	0004	RL		
A1	840	Reporting_Limit_Type	0004	RL		
A1	841	Reporting_Limit_Type	0004	RL		
A1	842	Reporting_Limit_Type	0004	RL		
A1	843	Reporting_Limit_Type	0004	RL		
A1	844	Reporting_Limit_Type	0004	RL		
A1	845	Reporting_Limit_Type	0004	RL		
A1	846	Reporting_Limit_Type	0004	RL		
A1	847	Reporting_Limit_Type	0004	RL		
A1	848	Reporting_Limit_Type	0004	RL		
A1	849	Reporting_Limit_Type	0004	RL		
A1	850	Reporting_Limit_Type	0004	RL		
A1	851	Reporting_Limit_Type	0004	RL		
A1	852	Reporting_Limit_Type	0004	RL		
A1	853	Reporting_Limit_Type	0004	RL		
A1	854	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	855	Reporting_Limit_Type	0004	RL		
A1	856	Reporting_Limit_Type	0004	RL		
A1	857	Reporting_Limit_Type	0004	RL		
A1	858	Reporting_Limit_Type	0004	RL		
A1	859	Reporting_Limit_Type	0004	RL		
A1	860	Reporting_Limit_Type	0004	RL		
A1	861	Reporting_Limit_Type	0004	RL		
A1	862	Reporting_Limit_Type	0004	RL		
A1	863	Reporting_Limit_Type	0004	RL		
A1	864	Reporting_Limit_Type	0004	RL		
A1	865	Reporting_Limit_Type	0004	RL		
A1	866	Reporting_Limit_Type	0004	RL		
A1	867	Reporting_Limit_Type	0004	RL		
A1	868	Reporting_Limit_Type	0004	RL		
A1	869	Reporting_Limit_Type	0004	RL		
A1	870	Reporting_Limit_Type	0004	RL		
A1	871	Reporting_Limit_Type	0004	RL		
A1	872	Reporting_Limit_Type	0004	RL		
A1	873	Reporting_Limit_Type	0004	RL		
A1	874	Reporting_Limit_Type	0004	RL		
A1	875	Reporting_Limit_Type	0004	RL		
A1	876	Reporting_Limit_Type	0004	RL		
A1	877	Reporting_Limit_Type	0004	RL		
A1	878	Reporting_Limit_Type	0004	RL		
A1	879	Reporting_Limit_Type	0004	RL		
A1	880	Reporting_Limit_Type	0004	RL		
A1	881	Reporting_Limit_Type	0004	RL		
A1	882	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	883	Reporting_Limit_Type	0004	RL		
A1	884	Reporting_Limit_Type	0004	RL		
A1	885	Reporting_Limit_Type	0004	RL		
A1	886	Reporting_Limit_Type	0004	RL		
A1	887	Reporting_Limit_Type	0004	RL		
A1	888	Reporting_Limit_Type	0004	RL		
A1	889	Reporting_Limit_Type	0004	RL		
A1	890	Reporting_Limit_Type	0004	RL		
A1	891	Reporting_Limit_Type	0004	RL		
A1	892	Reporting_Limit_Type	0004	RL		
A1	893	Reporting_Limit_Type	0004	RL		
A1	894	Reporting_Limit_Type	0004	RL		
A1	895	Reporting_Limit_Type	0004	RL		
A1	896	Reporting_Limit_Type	0004	RL		
A1	897	Reporting_Limit_Type	0004	RL		
A1	898	Reporting_Limit_Type	0004	RL		
A1	899	Reporting_Limit_Type	0004	RL		
A1	900	Reporting_Limit_Type	0004	RL		
A1	901	Reporting_Limit_Type	0004	RL		
A1	902	Reporting_Limit_Type	0004	RL		
A1	903	Reporting_Limit_Type	0004	RL		
A1	904	Reporting_Limit_Type	0004	RL		
A1	905	Reporting_Limit_Type	0004	RL		
A1	906	Reporting_Limit_Type	0004	RL		
A1	907	Reporting_Limit_Type	0004	RL		
A1	908	Reporting_Limit_Type	0004	RL		
A1	909	Reporting_Limit_Type	0004	RL		
A1	910	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	911	Reporting_Limit_Type	0004	RL		
A1	912	Reporting_Limit_Type	0004	RL		
A1	913	Reporting_Limit_Type	0004	RL		
A1	914	Reporting_Limit_Type	0004	RL		
A1	915	Reporting_Limit_Type	0004	RL		
A1	916	Reporting_Limit_Type	0004	RL		
A1	917	Reporting_Limit_Type	0004	RL		
A1	918	Reporting_Limit_Type	0004	RL		
A1	919	Reporting_Limit_Type	0004	RL		
A1	920	Reporting_Limit_Type	0004	RL		
A1	921	Reporting_Limit_Type	0004	RL		
A1	922	Reporting_Limit_Type	0004	RL		
A1	923	Reporting_Limit_Type	0004	RL		
A1	924	Reporting_Limit_Type	0004	RL		
A1	925	Reporting_Limit_Type	0004	RL		
A1	926	Reporting_Limit_Type	0004	RL		
A1	927	Reporting_Limit_Type	0004	RL		
A1	928	Reporting_Limit_Type	0004	RL		
A1	929	Reporting_Limit_Type	0004	RL		
A1	930	Reporting_Limit_Type	0004	RL		
A1	931	Reporting_Limit_Type	0004	RL		
A1	932	Reporting_Limit_Type	0004	RL		
A1	933	Reporting_Limit_Type	0004	RL		
A1	934	Reporting_Limit_Type	0004	RL		
A1	935	Reporting_Limit_Type	0004	RL		
A1	936	Reporting_Limit_Type	0004	RL		
A1	937	Reporting_Limit_Type	0004	RL		
A1	938	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	939	Reporting_Limit_Type	0004 RL		
A1	940	Reporting_Limit_Type	0004 RL		
A1	941	Reporting_Limit_Type	0004 RL		
A1	942	Reporting_Limit_Type	0004 RL		
A1	943	Reporting_Limit_Type	0004 RL		
A1	944	Reporting_Limit_Type	0004 RL		
A1	945	Reporting_Limit_Type	0004 RL		
A1	946	Reporting_Limit_Type	0004 RL		
A1	947	Reporting_Limit_Type	0004 RL		
A1	948	Reporting_Limit_Type	0004 RL		
A1	949	Reporting_Limit_Type	0004 RL		
A1	950	Reporting_Limit_Type	0004 RL		
A1	951	Reporting_Limit_Type	0004 RL		
A1	952	Reporting_Limit_Type	0004 RL		
A1	953	Reporting_Limit_Type	0004 RL		
A1	954	Reporting_Limit_Type	0004 RL		
A1	955	Reporting_Limit_Type	0004 RL		
A1	956	Reporting_Limit_Type	0004 RL		
A1	957	Reporting_Limit_Type	0004 RL		
A1	958	Reporting_Limit_Type	0004 RL		
A1	959	Reporting_Limit_Type	0004 RL		
A1	960	Reporting_Limit_Type	0004 RL		
A1	961	Reporting_Limit_Type	0004 RL		
A1	962	Reporting_Limit_Type	0004 RL		
A1	963	Reporting_Limit_Type	0004 RL		
A1	964	Reporting_Limit_Type	0004 RL		
A1	965	Reporting_Limit_Type	0004 RL		
A1	966	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	967	Reporting_Limit_Type	0004	RL		
A1	968	Reporting_Limit_Type	0004	RL		
A1	969	Reporting_Limit_Type	0004	RL		
A1	970	Reporting_Limit_Type	0004	RL		
A1	971	Reporting_Limit_Type	0004	RL		
A1	972	Reporting_Limit_Type	0004	RL		
A1	973	Reporting_Limit_Type	0004	RL		
A1	974	Reporting_Limit_Type	0004	RL		
A1	975	Reporting_Limit_Type	0004	RL		
A1	976	Reporting_Limit_Type	0004	RL		
A1	977	Reporting_Limit_Type	0004	RL		
A1	978	Reporting_Limit_Type	0004	RL		
A1	979	Reporting_Limit_Type	0004	RL		
A1	980	Reporting_Limit_Type	0004	RL		
A1	981	Reporting_Limit_Type	0004	RL		
A1	982	Reporting_Limit_Type	0004	RL		
A1	983	Reporting_Limit_Type	0004	RL		
A1	984	Reporting_Limit_Type	0004	RL		
A1	985	Reporting_Limit_Type	0004	RL		
A1	986	Reporting_Limit_Type	0004	RL		
A1	987	Reporting_Limit_Type	0004	RL		
A1	988	Reporting_Limit_Type	0004	RL		
A1	989	Reporting_Limit_Type	0004	RL		
A1	990	Reporting_Limit_Type	0004	RL		
A1	991	Reporting_Limit_Type	0004	RL		
A1	992	Reporting_Limit_Type	0004	RL		
A1	993	Reporting_Limit_Type	0004	RL		
A1	994	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	995	Reporting_Limit_Type	0004	RL		
A1	996	Reporting_Limit_Type	0004	RL		
A1	997	Reporting_Limit_Type	0004	RL		
A1	998	Reporting_Limit_Type	0004	RL		
A1	999	Reporting_Limit_Type	0004	RL		
A1	1000	Reporting_Limit_Type	0004	RL		
A1	1001	Reporting_Limit_Type	0004	RL		
A1	1002	Reporting_Limit_Type	0004	RL		
A1	1003	Reporting_Limit_Type	0004	RL		
A1	1004	Reporting_Limit_Type	0004	RL		
A1	1005	Reporting_Limit_Type	0004	RL		
A1	1006	Reporting_Limit_Type	0004	RL		
A1	1007	Reporting_Limit_Type	0004	RL		
A1	1008	Reporting_Limit_Type	0004	RL		
A1	1009	Reporting_Limit_Type	0004	RL		
A1	1010	Reporting_Limit_Type	0004	RL		
A1	1011	Reporting_Limit_Type	0004	RL		
A1	1012	Reporting_Limit_Type	0004	RL		
A1	1013	Reporting_Limit_Type	0004	RL		
A1	1014	Reporting_Limit_Type	0004	RL		
A1	1015	Reporting_Limit_Type	0004	RL		
A1	1016	Reporting_Limit_Type	0004	RL		
A1	1017	Reporting_Limit_Type	0004	RL		
A1	1018	Reporting_Limit_Type	0004	RL		
A1	1019	Reporting_Limit_Type	0004	RL		
A1	1020	Reporting_Limit_Type	0004	RL		
A1	1021	Reporting_Limit_Type	0004	RL		
A1	1022	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1023	Reporting_Limit_Type	0004	RL		
A1	1024	Reporting_Limit_Type	0004	RL		
A1	1025	Reporting_Limit_Type	0004	RL		
A1	1026	Reporting_Limit_Type	0004	RL		
A1	1027	Reporting_Limit_Type	0004	RL		
A1	1028	Reporting_Limit_Type	0004	RL		
A1	1029	Reporting_Limit_Type	0004	RL		
A1	1030	Reporting_Limit_Type	0004	RL		
A1	1031	Reporting_Limit_Type	0004	RL		
A1	1032	Reporting_Limit_Type	0004	RL		
A1	1033	Reporting_Limit_Type	0004	RL		
A1	1034	Reporting_Limit_Type	0004	RL		
A1	1035	Reporting_Limit_Type	0004	RL		
A1	1036	Reporting_Limit_Type	0004	RL		
A1	1037	Reporting_Limit_Type	0004	RL		
A1	1038	Reporting_Limit_Type	0004	RL		
A1	1039	Reporting_Limit_Type	0004	RL		
A1	1040	Reporting_Limit_Type	0004	RL		
A1	1041	Reporting_Limit_Type	0004	RL		
A1	1042	Reporting_Limit_Type	0004	RL		
A1	1043	Reporting_Limit_Type	0004	RL		
A1	1044	Reporting_Limit_Type	0004	RL		
A1	1045	Reporting_Limit_Type	0004	RL		
A1	1046	Reporting_Limit_Type	0004	RL		
A1	1047	Reporting_Limit_Type	0004	RL		
A1	1048	Reporting_Limit_Type	0004	RL		
A1	1049	Reporting_Limit_Type	0004	RL		
A1	1050	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1051	Reporting_Limit_Type	0004	RL		
A1	1052	Reporting_Limit_Type	0004	RL		
A1	1053	Reporting_Limit_Type	0004	RL		
A1	1054	Reporting_Limit_Type	0004	RL		
A1	1055	Reporting_Limit_Type	0004	RL		
A1	1056	Reporting_Limit_Type	0004	RL		
A1	1057	Reporting_Limit_Type	0004	RL		
A1	1058	Reporting_Limit_Type	0004	RL		
A1	1059	Reporting_Limit_Type	0004	RL		
A1	1060	Reporting_Limit_Type	0004	RL		
A1	1061	Reporting_Limit_Type	0004	RL		
A1	1062	Reporting_Limit_Type	0004	RL		
A1	1063	Reporting_Limit_Type	0004	RL		
A1	1064	Reporting_Limit_Type	0004	RL		
A1	1065	Reporting_Limit_Type	0004	RL		
A1	1066	Reporting_Limit_Type	0004	RL		
A1	1067	Reporting_Limit_Type	0004	RL		
A1	1068	Reporting_Limit_Type	0004	RL		
A1	1069	Reporting_Limit_Type	0004	RL		
A1	1070	Reporting_Limit_Type	0004	RL		
A1	1071	Reporting_Limit_Type	0004	RL		
A1	1072	Reporting_Limit_Type	0004	RL		
A1	1073	Reporting_Limit_Type	0004	RL		
A1	1074	Reporting_Limit_Type	0004	RL		
A1	1075	Reporting_Limit_Type	0004	RL		
A1	1076	Reporting_Limit_Type	0004	RL		
A1	1077	Reporting_Limit_Type	0004	RL		
A1	1078	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1079	Reporting_Limit_Type	0004	RL		
A1	1080	Reporting_Limit_Type	0004	RL		
A1	1081	Reporting_Limit_Type	0004	RL		
A1	1082	Reporting_Limit_Type	0004	RL		
A1	1083	Reporting_Limit_Type	0004	RL		
A1	1084	Reporting_Limit_Type	0004	RL		
A1	1085	Reporting_Limit_Type	0004	RL		
A1	1086	Reporting_Limit_Type	0004	RL		
A1	1087	Reporting_Limit_Type	0004	RL		
A1	1088	Reporting_Limit_Type	0004	RL		
A1	1089	Reporting_Limit_Type	0004	RL		
A1	1090	Reporting_Limit_Type	0004	RL		
A1	1091	Reporting_Limit_Type	0004	RL		
A1	1092	Reporting_Limit_Type	0004	RL		
A1	1093	Reporting_Limit_Type	0004	RL		
A1	1094	Reporting_Limit_Type	0004	RL		
A1	1095	Reporting_Limit_Type	0004	RL		
A1	1096	Reporting_Limit_Type	0004	RL		
A1	1097	Reporting_Limit_Type	0004	RL		
A1	1098	Reporting_Limit_Type	0004	RL		
A1	1099	Reporting_Limit_Type	0004	RL		
A1	1100	Reporting_Limit_Type	0004	RL		
A1	1101	Reporting_Limit_Type	0004	RL		
A1	1102	Reporting_Limit_Type	0004	RL		
A1	1103	Reporting_Limit_Type	0004	RL		
A1	1104	Reporting_Limit_Type	0004	RL		
A1	1105	Reporting_Limit_Type	0004	RL		
A1	1106	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1107	Reporting_Limit_Type	0004	RL		
A1	1108	Reporting_Limit_Type	0004	RL		
A1	1109	Reporting_Limit_Type	0004	RL		
A1	1110	Reporting_Limit_Type	0004	RL		
A1	1111	Reporting_Limit_Type	0004	RL		
A1	1112	Reporting_Limit_Type	0004	RL		
A1	1113	Reporting_Limit_Type	0004	RL		
A1	1114	Reporting_Limit_Type	0004	RL		
A1	1115	Reporting_Limit_Type	0004	RL		
A1	1116	Reporting_Limit_Type	0004	RL		
A1	1117	Reporting_Limit_Type	0004	RL		
A1	1118	Reporting_Limit_Type	0004	RL		
A1	1119	Reporting_Limit_Type	0004	RL		
A1	1120	Reporting_Limit_Type	0004	RL		
A1	1121	Reporting_Limit_Type	0004	RL		
A1	1122	Reporting_Limit_Type	0004	RL		
A1	1123	Reporting_Limit_Type	0004	RL		
A1	1124	Reporting_Limit_Type	0004	RL		
A1	1125	Reporting_Limit_Type	0004	RL		
A1	1126	Reporting_Limit_Type	0004	RL		
A1	1127	Reporting_Limit_Type	0004	RL		
A1	1128	Reporting_Limit_Type	0004	RL		
A1	1129	Reporting_Limit_Type	0004	RL		
A1	1130	Reporting_Limit_Type	0004	RL		
A1	1131	Reporting_Limit_Type	0004	RL		
A1	1132	Reporting_Limit_Type	0004	RL		
A1	1133	Reporting_Limit_Type	0004	RL		
A1	1134	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1135	Reporting_Limit_Type	0004	RL		
A1	1136	Reporting_Limit_Type	0004	RL		
A1	1137	Reporting_Limit_Type	0004	RL		
A1	1138	Reporting_Limit_Type	0004	RL		
A1	1139	Reporting_Limit_Type	0004	RL		
A1	1140	Reporting_Limit_Type	0004	RL		
A1	1141	Reporting_Limit_Type	0004	RL		
A1	1142	Reporting_Limit_Type	0004	RL		
A1	1143	Reporting_Limit_Type	0004	RL		
A1	1144	Reporting_Limit_Type	0004	RL		
A1	1145	Reporting_Limit_Type	0004	RL		
A1	1146	Reporting_Limit_Type	0004	RL		
A1	1147	Reporting_Limit_Type	0004	RL		
A1	1148	Reporting_Limit_Type	0004	RL		
A1	1149	Reporting_Limit_Type	0004	RL		
A1	1150	Reporting_Limit_Type	0004	RL		
A1	1151	Reporting_Limit_Type	0004	RL		
A1	1152	Reporting_Limit_Type	0004	RL		
A1	1153	Reporting_Limit_Type	0004	RL		
A1	1154	Reporting_Limit_Type	0004	RL		
A1	1155	Reporting_Limit_Type	0004	RL		
A1	1156	Reporting_Limit_Type	0004	RL		
A1	1157	Reporting_Limit_Type	0004	RL		
A1	1158	Reporting_Limit_Type	0004	RL		
A1	1159	Reporting_Limit_Type	0004	RL		
A1	1160	Reporting_Limit_Type	0004	RL		
A1	1161	Reporting_Limit_Type	0004	RL		
A1	1162	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1163	Reporting_Limit_Type	0004	RL	
A1	1164	Reporting_Limit_Type	0004	RL	
A1	1165	Reporting_Limit_Type	0004	RL	
A1	1166	Reporting_Limit_Type	0004	RL	
A1	1167	Reporting_Limit_Type	0004	RL	
A1	1168	Reporting_Limit_Type	0004	RL	
A3		Project Number	0025	The project name "B & B GROUNDWATER SAMPLING" entered in one or more records does not match any of the project names entered in the standard values table.	
A3		Project Number	0025	The project number "ECO-13-601" entered in one or more records does not match any of the project numbers entered in the standard values table.	
A3	1	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	2	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	3	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	6	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	7	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	8	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	9	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	10	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	11	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	14	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	15	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	16	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	17	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	18	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	19	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	22	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	23	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	24	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	25	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	26	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	27	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	28	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	29	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	30	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	33	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	34	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	35	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	36	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	37	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	38	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	41	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	42	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	43	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	44	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	45	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	46	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	47	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	48	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	49	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	50	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	53	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	54	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	55	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	56	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	57	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	60	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	61	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	62	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	64	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	65	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	66	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	69	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	70	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	71	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	72	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	73	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	74	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	77	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	78	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	79	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	83	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	84	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	85	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	86	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	87	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	88	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	89	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	90	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	91	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	92	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	93	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	94	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	95	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	96	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	97	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	98	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	99	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	100	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	101	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	102	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	103	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

0001	*The number of characters entered in the field exceeds the number allowed for that field*
0002	*Non-numeric entry in a numeric field*
0003	*Non-date entry or incorrectly formatted date in a date field*
0004	*Value entered was not found in the Standard Value List (see Appendix B and C)*
0005	*Analytical Method, Analtye ID, Analyte Name, Matrix, and Units not found in the reference project library*
0006	*RPD value is missing from a MSD, LCSD, or laboratory duplicate sample*
0007	*Target analyte specified in library files not found in the EDD*
0008	*Discrepancy in related records found between the tables Sample Analysis and Analytical Result*
0009	*Required field is missing information*
0010	*Surrogate compounds specified in the reference project library are not found in table Analytical Results*
0011	*Surrogate compounds not specified in the reference project library are found in table Analytical Results*
0012	*Spike compounds specified in the reference project library are not found in table Analytical Results or vice versa*
0013	*Target analyte not specified in the reference project library is found in Analytical Results table*
0014	*Handling Batch ID (for leachates) is missing in Table A3*
0015	*Lab_Sample_ID can not have more than one matrix type assigned to it*
0016	*Analysis_Batch ID present in the Sample Analysis table is missing from the Laboratory Instrument table*
0017	*Analysis_Batch ID present in the Laboratory Instrument table is missing from the Sample Analysis table*
0018	*Run_Batch present in the Sample Analysis table is missing from the Laboratory Instrument table*
0019	*Run_Batch present in the Laboratory Instrument table is missing from the Sample Analysis table*
0020	*Target analytes and surrogates not specified in the reference project library are found in the Laboratory Intrument table*
0021	*Analysis_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS continuing calibration (QC_Type = CCV)*
0022	*Run_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS initial calibration (QC_Type = IC)*
0023	*Incorrect naming or inconsistent collection date for MS/MSD sample and/or parent sample*
0024	*Problems with %RSD, Correlation Coefficient, and/or RRFs reported for GC/MS calibration records.*
0025	*Project Number or Project Name reported in the EDD not found in the Standard Value table*
0026	*Result value for a non-detected analyte does not match the Reporting_Limit value as reported in the EDD*
0027	*ClientSampleID present in Analytical Results table but missing in the Sample Analysis table or vice versa*
0028	*Missing associated Method Blank records for a specific Preparation Batch / Analytical Method*
0029	*Missing associated Laboratory Control Sample records for a specific Preparation Batch / Analytical Method*
0030	*Missing associated Matrix Spike / Duplicate records for a specific Method Batch / Analytical Method*
0031	*Record specified in the reference project library not found in the Analytical Results table where Reportable Result = Yes*
0032	*Duplicate records found in table Analytical Results for fields ClientSampleID, Collected, AnalyticalMethod, AnalytedID where Reportable_Result = Yes*
0033	*Missing calibration records in Table A2*

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D156

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:32**

0034	*Report Limit from table Analytical Results exceeds the value in the reference project library (corrected for dilution and perc moist, if appl)*
0035	*Missing target analytes in IC, ICV, CV, or CCV*
0036	*Surrogate Recovery has a value greater than zero but the Lab Qualifier is like "*U*"*
0037	*Duplicate records in Table A1, A2, or A3*
0038	*Problems with QC Batch assignment*

Field QC and Associated Samples

Lab Reporting Batch : 15D156 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
04-23-15-EB-2	**EB**	04-22-15-PWB-2	04/22/2015 14:35
		04-22-15-PWB-6	04/22/2015 13:45
		04-22-15-WB2-3	04/22/2015 15:20
		04-23-15-BBW-1	04/23/2015 09:20
		04-23-15-BBW-2	04/23/2015 08:40
		04-23-15-PWB-11	04/23/2015 08:55
		04-23-15-PWB-3	04/23/2015 08:10
		04-23-15-PWB-8	04/23/2015 08:00
04-23-15-TB-15	**TB**	04-22-15-PWB-2	04/22/2015 14:35
		04-22-15-PWB-6	04/22/2015 13:45
		04-22-15-WB2-3	04/22/2015 15:20
		04-23-15-BBW-1	04/23/2015 09:20
		04-23-15-BBW-2	04/23/2015 08:40
		04-23-15-EB-2	04/23/2015 09:05
		04-23-15-PWB-11	04/23/2015 08:55
		04-23-15-PWB-3	04/23/2015 08:10
		04-23-15-PWB-8	04/23/2015 08:00
04-23-15-TB-16	**TB**	04-22-15-PWB-2	04/22/2015 14:35
		04-22-15-PWB-6	04/22/2015 13:45
		04-22-15-WB2-3	04/22/2015 15:20
		04-23-15-BBW-1	04/23/2015 09:20
		04-23-15-BBW-2	04/23/2015 08:40
		04-23-15-EB-2	04/23/2015 09:05
		04-23-15-PWB-11	04/23/2015 08:55
		04-23-15-PWB-3	04/23/2015 08:10
		04-23-15-PWB-8	04/23/2015 08:00

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

EDD Preparation Batch Summary and Associated Samples
EDD Reporting Batch ID: 15D156

Method: 300.0

Matrix ID: AQ Preparation Batch: ICD026W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD026WB	ICD026WB	RES	MB	04/23/2015 11:17
ICD026WL	ICD026WL	RES	LCS	04/23/2015 11:36
ICD026WC	ICD026WC	RES	LCSD	04/23/2015 14:06
04-22-15-PWB-6	D156-03	RES	Normal sample	04/23/2015 16:18
04-22-15-PWB-2	D156-02	RES	Normal sample	04/23/2015 16:37
04-22-15-WB2-3	D156-01	RES	Normal sample	04/23/2015 16:56
04-23-15-PWB-8	D156-05	RES	Normal sample	04/23/2015 17:15
04-23-15-PWB-3	D156-07	RES	Normal sample	04/23/2015 17:33
04-23-15-EB-2	D156-06	RES	Normal sample	04/23/2015 18:48
04-23-15-PWB-11	D156-08	RES	Normal sample	04/23/2015 19:07
04-23-15-BBW-1	D156-10	RES	Normal sample	04/23/2015 19:26
04-23-15-BBW-2	D156-11	RES	Normal sample	04/23/2015 19:44
04-23-15-BBW-2MS	D156-11M	RES	MS	04/23/2015 20:03
04-23-15-BBW-2MSD	D156-11S	RES	MSD	04/23/2015 20:22

Matrix ID: AQ Preparation Batch: ICD028W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD028WL	ICD028WL	RES	LCS	04/23/2015 20:41
ICD028WC	ICD028WC	RES	LCSD	04/23/2015 20:59
ICD028WB	ICD028WB	RES	MB	04/23/2015 21:18
04-22-15-PWB-2	D156-02I	DL	Normal sample	04/23/2015 23:29
04-22-15-PWB-6	D156-03I	DL	Normal sample	04/23/2015 23:48
04-23-15-PWB-3	D156-07I	DL	Normal sample	04/24/2015 00:26
04-23-15-PWB-11	D156-08I	DL	Normal sample	04/24/2015 00:44
04-23-15-BBW-1	D156-10I	DL	Normal sample	04/24/2015 01:03
04-23-15-BBW-2	D156-11I	DL	Normal sample	04/24/2015 01:59
04-23-15-BBW-2MS	D156-11IM	DL	MS	04/24/2015 02:18
04-23-15-BBW-2MSD	D156-11IS	DL	MSD	04/24/2015 02:37
04-22-15-WB2-3	D156-01I	DL	Normal sample	04/24/2015 02:56

Matrix ID: AQ Preparation Batch: ICD030W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD030WB	ICD030WB	RES	MB	04/24/2015 10:11
ICD030WL	ICD030WL	RES	LCS	04/24/2015 10:30
ICD030WC	ICD030WC	RES	LCSD	04/24/2015 10:49
04-23-15-PWB-8	D156-05I	DL	Normal sample	04/24/2015 11:07

Method: 415.1

Matrix ID: AQ **Preparation Batch: TCD008W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCD008WB	TCD008WB	RES	MB	04/25/2015 03:56
TCD008WL	TCD008WL	RES	LCS	04/25/2015 04:09
TCD008WC	TCD008WC	RES	LCSD	04/25/2015 04:22
04-22-15-WB2-3	D156-01	RES	Normal sample	04/25/2015 06:32
04-22-15-PWB-2	D156-02	RES	Normal sample	04/25/2015 06:43
04-22-15-PWB-6	D156-03	RES	Normal sample	04/25/2015 06:53
04-23-15-PWB-8	D156-05	RES	Normal sample	04/25/2015 07:04
04-23-15-EB-2	D156-06	RES	Normal sample	04/25/2015 07:14
04-23-15-PWB-3	D156-07	RES	Normal sample	04/25/2015 07:25
04-23-15-PWB-11	D156-08	RES	Normal sample	04/25/2015 07:36
04-23-15-BBW-1	D156-10	RES	Normal sample	04/25/2015 07:46
04-23-15-BBW-2	D156-11	RES	Normal sample	04/25/2015 07:57

Method: 8151

Matrix ID: AQ **Preparation Batch: HED010W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED010WB	HED010WB	RES	MB	04/27/2015 18:13
HED010WL	HED010WL	RES	LCS	04/27/2015 18:41
HED010WC	HED010WC	RES	LCSD	04/27/2015 19:09
04-22-15-WB2-3	D156-01	RES	Normal sample	04/28/2015 00:14
04-22-15-PWB-2	D156-02	RES	Normal sample	04/28/2015 00:42
04-22-15-PWB-6	D156-03	RES	Normal sample	04/28/2015 01:09
04-23-15-PWB-8	D156-05	RES	Normal sample	04/28/2015 01:37
04-23-15-EB-2	D156-06	RES	Normal sample	04/28/2015 02:05
04-23-15-PWB-3	D156-07	RES	Normal sample	04/28/2015 02:33
04-23-15-PWB-11	D156-08	RES	Normal sample	04/28/2015 03:00
04-23-15-BBW-1	D156-10	RES	Normal sample	04/28/2015 03:28
04-23-15-BBW-2	D156-11	RES	Normal sample	04/28/2015 03:56

Method: 8260B

Matrix ID: AQ **Preparation Batch: VO01E01**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E01L	VO01E01L	RES	LCS	05/01/2015 16:01
VO01E01Y	VO01E01Y	RES	LCSD	05/01/2015 17:05
VO01E01B	VO01E01B	RES	MB	05/01/2015 17:58
04-22-15-WB2-3	D156-01	RES	Normal sample	05/01/2015 20:46
04-22-15-PWB-2	D156-02	RES	Normal sample	05/01/2015 21:13
04-22-15-PWB-6	D156-03	RES	Normal sample	05/01/2015 21:43
04-23-15-TB-15	D156-04	RES	Normal sample	05/01/2015 22:10
04-23-15-PWB-8	D156-05	RES	Normal sample	05/01/2015 22:40
04-23-15-EB-2	D156-06	RES	Normal sample	05/01/2015 23:07
04-23-15-PWB-3	D156-07	RES	Normal sample	05/01/2015 23:36
04-23-15-PWB-11	D156-08	RES	Normal sample	05/02/2015 00:04
04-23-15-TB-16	D156-09	RES	Normal sample	05/02/2015 00:33
04-23-15-BBW-1	D156-10	RES	Normal sample	05/02/2015 01:01
04-23-15-BBW-2	D156-11	RES	Normal sample	05/02/2015 01:28

Method: 8260B SIM

Matrix ID: AQ **Preparation Batch: VO01D25**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D25L	VO01D25L	RES	LCS	04/29/2015 11:07
VO01D25C	VO01D25C	RES	LCSD	04/29/2015 11:32
VO01D25B	VO01D25B	RES	MB	04/29/2015 11:57
04-22-15-WB2-3	D156-01	RES	Normal sample	04/29/2015 14:11
04-22-15-PWB-2	D156-02	RES	Normal sample	04/29/2015 14:36
04-22-15-PWB-6	D156-03	RES	Normal sample	04/29/2015 15:01
04-23-15-EB-2	D156-06	RES	Normal sample	04/29/2015 15:26
04-23-15-PWB-3	D156-07	RES	Normal sample	04/29/2015 15:51
04-23-15-BBW-1	D156-10	RES	Normal sample	04/29/2015 16:16
04-23-15-BBW-2	D156-11	RES	Normal sample	04/29/2015 16:40
04-23-15-PWB-8	D156-05	RES	Normal sample	04/29/2015 17:05
04-23-15-PWB-11	D156-08	RES	Normal sample	04/29/2015 17:30
04-23-15-PWB-8	D156-05I	DL	Normal sample	04/29/2015 17:55
04-23-15-PWB-11	D156-08I	DL	Normal sample	04/29/2015 18:20

Method: FE3500

Matrix ID: AQ **Preparation Batch: FED002W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
04-22-15-WB2-3	D156-01	RES	Normal sample	04/23/2015 19:47
04-22-15-WB2-3MS	D156-01M	RES	MS	04/23/2015 19:47
04-22-15-WB2-3DUP	D156-01D	RES	DUP	04/23/2015 19:47
FED002WC	FED002WC	RES	LCSD	04/23/2015 19:47
FED002WL	FED002WL	RES	LCS	04/23/2015 19:47
FED002WB	FED002WB	RES	MB	04/23/2015 19:47
04-22-15-PWB-6	D156-03	RES	Normal sample	04/23/2015 19:48
04-23-15-PWB-8	D156-05	RES	Normal sample	04/23/2015 19:48
04-22-15-PWB-2	D156-02	RES	Normal sample	04/23/2015 19:48
04-22-15-WB2-3MSD	D156-01S	RES	MSD	04/23/2015 19:48
04-23-15-EB-2	D156-06	RES	Normal sample	04/23/2015 19:57
04-23-15-PWB-11	D156-08	RES	Normal sample	04/23/2015 19:57
04-23-15-BBW-1	D156-10	RES	Normal sample	04/23/2015 19:57
04-23-15-PWB-3	D156-07	RES	Normal sample	04/23/2015 19:57
04-23-15-BBW-2	D156-11	RES	Normal sample	04/23/2015 19:58

Method: SM4500S2D

Matrix ID: AQ **Preparation Batch: SFD004W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFD004WL	SFD004WL	RES	LCS	04/27/2015 14:01
SFD004WC	SFD004WC	RES	LCSD	04/27/2015 14:01
SFD004WB	SFD004WB	RES	MB	04/27/2015 14:01
04-22-15-WB2-3	D156-01	RES	Normal sample	04/27/2015 14:09
04-22-15-PWB-2	D156-02	RES	Normal sample	04/27/2015 14:10
04-22-15-PWB-6	D156-03	RES	Normal sample	04/27/2015 14:11
04-23-15-PWB-8	D156-05	RES	Normal sample	04/27/2015 14:12
04-23-15-EB-2	D156-06	RES	Normal sample	04/27/2015 14:13
04-23-15-PWB-3	D156-07	RES	Normal sample	04/27/2015 14:13
04-23-15-PWB-11	D156-08	RES	Normal sample	04/27/2015 14:13
04-23-15-BBW-2	D156-11	RES	Normal sample	04/27/2015 14:14
04-23-15-BBW-1	D156-10	RES	Normal sample	04/27/2015 14:14

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 15D156

Method: 300.0

Matrix ID: AQ Method Batch: ICD026W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD026WL	ICD026WL	RES	LCS	04/23/2015 11:36
ICD026WC	ICD026WC	RES	LCSD	04/23/2015 14:06
04-22-15-PWB-6	D156-03	RES		04/23/2015 16:18
04-22-15-PWB-2	D156-02	RES		04/23/2015 16:37
04-22-15-WB2-3	D156-01	RES		04/23/2015 16:56
04-23-15-PWB-8	D156-05	RES		04/23/2015 17:15
04-23-15-PWB-3	D156-07	RES		04/23/2015 17:33
04-23-15-EB-2	D156-06	RES		04/23/2015 18:48
04-23-15-PWB-11	D156-08	RES		04/23/2015 19:07
04-23-15-BBW-1	D156-10	RES		04/23/2015 19:26
04-23-15-BBW-2	D156-11	RES		04/23/2015 19:44
04-23-15-BBW-2MS	D156-11M	RES	MS	04/23/2015 20:03
04-23-15-BBW-2MSD	D156-11S	RES	MSD	04/23/2015 20:22

Matrix ID: AQ Method Batch: ICD028W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD028WL	ICD028WL	RES	LCS	04/23/2015 20:41
ICD028WC	ICD028WC	RES	LCSD	04/23/2015 20:59
04-22-15-PWB-2	D156-02I	DL		04/23/2015 23:29
04-22-15-PWB-6	D156-03I	DL		04/23/2015 23:48
04-23-15-PWB-3	D156-07I	DL		04/24/2015 00:26
04-23-15-PWB-11	D156-08I	DL		04/24/2015 00:44
04-23-15-BBW-1	D156-10I	DL		04/24/2015 01:03
04-23-15-BBW-2	D156-11I	DL		04/24/2015 01:59
04-23-15-BBW-2MS	D156-11IM	DL	MS	04/24/2015 02:18
04-23-15-BBW-2MSD	D156-11IS	DL	MSD	04/24/2015 02:37
04-22-15-WB2-3	D156-01I	DL		04/24/2015 02:56

Matrix ID: AQ Method Batch: ICD030W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD030WL	ICD030WL	RES	LCS	04/24/2015 10:30
ICD030WC	ICD030WC	RES	LCSD	04/24/2015 10:49
04-23-15-PWB-8	D156-05I	DL		04/24/2015 11:07

Method: 415.1

Matrix ID: AQ Method Batch: TCD008W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCD008WL	TCD008WL	RES	LCS	04/25/2015 04:09
TCD008WC	TCD008WC	RES	LCSD	04/25/2015 04:22
04-22-15-WB2-3	D156-01	RES		04/25/2015 06:32
04-22-15-PWB-2	D156-02	RES		04/25/2015 06:43
04-22-15-PWB-6	D156-03	RES		04/25/2015 06:53
04-23-15-PWB-8	D156-05	RES		04/25/2015 07:04
04-23-15-EB-2	D156-06	RES		04/25/2015 07:14
04-23-15-PWB-3	D156-07	RES		04/25/2015 07:25
04-23-15-PWB-11	D156-08	RES		04/25/2015 07:36
04-23-15-BBW-1	D156-10	RES		04/25/2015 07:46
04-23-15-BBW-2	D156-11	RES		04/25/2015 07:57

Method: 8151

Matrix ID: AQ Method Batch: HED010W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED010WL	HED010WL	RES	LCS	04/27/2015 18:41
HED010WC	HED010WC	RES	LCSD	04/27/2015 19:09
04-22-15-WB2-3	D156-01	RES		04/28/2015 00:14
04-22-15-PWB-2	D156-02	RES		04/28/2015 00:42
04-22-15-PWB-6	D156-03	RES		04/28/2015 01:09
04-23-15-PWB-8	D156-05	RES		04/28/2015 01:37
04-23-15-EB-2	D156-06	RES		04/28/2015 02:05
04-23-15-PWB-3	D156-07	RES		04/28/2015 02:33
04-23-15-PWB-11	D156-08	RES		04/28/2015 03:00
04-23-15-BBW-1	D156-10	RES		04/28/2015 03:28
04-23-15-BBW-2	D156-11	RES		04/28/2015 03:56

Method: 8260B

Matrix ID: AQ Method Batch: VO01E01

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01E01L	VO01E01L	RES	LCS	05/01/2015 16:01
VO01E01Y	VO01E01Y	RES	LCSD	05/01/2015 17:05
04-22-15-WB2-3	D156-01	RES		05/01/2015 20:46
04-22-15-PWB-2	D156-02	RES		05/01/2015 21:13
04-22-15-PWB-6	D156-03	RES		05/01/2015 21:43
04-23-15-TB-15	D156-04	RES		05/01/2015 22:10
04-23-15-PWB-8	D156-05	RES		05/01/2015 22:40
04-23-15-EB-2	D156-06	RES		05/01/2015 23:07
04-23-15-PWB-3	D156-07	RES		05/01/2015 23:36
04-23-15-PWB-11	D156-08	RES		05/02/2015 00:04
04-23-15-TB-16	D156-09	RES		05/02/2015 00:33
04-23-15-BBW-1	D156-10	RES		05/02/2015 01:01
04-23-15-BBW-2	D156-11	RES		05/02/2015 01:28

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO01D25

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D25L	VO01D25L	RES	LCS	04/29/2015 11:07
VO01D25C	VO01D25C	RES	LCSD	04/29/2015 11:32
04-22-15-WB2-3	D156-01	RES		04/29/2015 14:11
04-22-15-PWB-2	D156-02	RES		04/29/2015 14:36
04-22-15-PWB-6	D156-03	RES		04/29/2015 15:01
04-23-15-EB-2	D156-06	RES		04/29/2015 15:26
04-23-15-PWB-3	D156-07	RES		04/29/2015 15:51
04-23-15-BBW-1	D156-10	RES		04/29/2015 16:16
04-23-15-BBW-2	D156-11	RES		04/29/2015 16:40
04-23-15-PWB-8	D156-05	RES		04/29/2015 17:05
04-23-15-PWB-11	D156-08	RES		04/29/2015 17:30
04-23-15-PWB-8	D156-05I	DL		04/29/2015 17:55
04-23-15-PWB-11	D156-08I	DL		04/29/2015 18:20

Method: FE3500

Matrix ID: AQ Method Batch: FED002W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FED002WL	FED002WL	RES	LCS	04/23/2015 19:47
FED002WC	FED002WC	RES	LCSD	04/23/2015 19:47
04-22-15-WB2-3MS	D156-01M	RES	MS	04/23/2015 19:47
04-22-15-WB2-3DUP	D156-01D	RES	DUP	04/23/2015 19:47
04-22-15-WB2-3	D156-01	RES		04/23/2015 19:47
04-22-15-PWB-2	D156-02	RES		04/23/2015 19:48
04-22-15-PWB-6	D156-03	RES		04/23/2015 19:48
04-23-15-PWB-8	D156-05	RES		04/23/2015 19:48
04-22-15-WB2-3MSD	D156-01S	RES	MSD	04/23/2015 19:48
04-23-15-EB-2	D156-06	RES		04/23/2015 19:57
04-23-15-PWB-11	D156-08	RES		04/23/2015 19:57
04-23-15-BBW-1	D156-10	RES		04/23/2015 19:57
04-23-15-PWB-3	D156-07	RES		04/23/2015 19:57
04-23-15-BBW-2	D156-11	RES		04/23/2015 19:58

Method: SM4500S2D

Matrix ID: AQ **Method Batch: SFD004W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFD004WC	SFD004WC	RES	LCSD	04/27/2015 14:01
SFD004WL	SFD004WL	RES	LCS	04/27/2015 14:01
04-22-15-WB2-3	D156-01	RES		04/27/2015 14:09
04-22-15-PWB-2	D156-02	RES		04/27/2015 14:10
04-22-15-PWB-6	D156-03	RES		04/27/2015 14:11
04-23-15-PWB-8	D156-05	RES		04/27/2015 14:12
04-23-15-PWB-3	D156-07	RES		04/27/2015 14:13
04-23-15-PWB-11	D156-08	RES		04/27/2015 14:13
04-23-15-EB-2	D156-06	RES		04/27/2015 14:13
04-23-15-BBW-1	D156-10	RES		04/27/2015 14:14
04-23-15-BBW-2	D156-11	RES		04/27/2015 14:14

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D156 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
300.0									
	04-22-15-PWB-2	D156-02	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D156-02I	DL	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
	04-22-15-PWB-6	D156-03	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D156-03I	DL	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
	04-22-15-WB2-3	D156-01	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D156-01I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-23-15-BBW-1	D156-10	RES	NONE	AQ	04/23/2015	04/23/2015		04/23/2015
		D156-10I	DL	NONE	AQ	04/23/2015	04/23/2015		04/24/2015
	04-23-15-BBW-2	D156-11	RES	NONE	AQ	04/23/2015	04/23/2015		04/23/2015
		D156-11I	DL	NONE	AQ	04/23/2015	04/23/2015		04/24/2015
	04-23-15-EB-2	D156-06	RES	NONE	AQ	04/23/2015	04/23/2015		04/23/2015
	04-23-15-PWB-11	D156-08		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
		D156-08I	DL	NONE	AQ	04/23/2015	04/23/2015		04/24/2015
	04-23-15-PWB-3	D156-07	RES	NONE	AQ	04/23/2015	04/23/2015		04/23/2015
		D156-07I	DL	NONE	AQ	04/23/2015	04/23/2015		04/24/2015
	04-23-15-PWB-8	D156-05	RES	NONE	AQ	04/23/2015	04/23/2015		04/23/2015
		D156-05I	DL	NONE	AQ	04/23/2015	04/23/2015		04/24/2015
415.1									
	04-22-15-PWB-2	D156-02	RES	NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-6	D156-03		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-WB2-3	D156-01		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-23-15-BBW-1	D156-10		NONE	AQ	04/23/2015	04/23/2015		04/25/2015
	04-23-15-BBW-2	D156-11		NONE	AQ	04/23/2015	04/23/2015		04/25/2015
	04-23-15-EB-2	D156-06		NONE	AQ	04/23/2015	04/23/2015		04/25/2015
	04-23-15-PWB-11	D156-08		NONE	AQ	04/23/2015	04/23/2015		04/25/2015
	04-23-15-PWB-3	D156-07		NONE	AQ	04/23/2015	04/23/2015		04/25/2015
	04-23-15-PWB-8	D156-05		NONE	AQ	04/23/2015	04/23/2015		04/25/2015
8151									
	04-22-15-PWB-2	D156-02	RES	METHOD	AQ	04/22/2015	04/23/2015	04/27/2015	04/28/2015
	04-22-15-PWB-6	D156-03		METHOD	AQ	04/22/2015	04/23/2015	04/27/2015	04/28/2015
	04-22-15-WB2-3	D156-01		METHOD	AQ	04/22/2015	04/23/2015	04/27/2015	04/28/2015

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D156 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-23-15-BBW-1	D156-10	RES	METHOD	AQ	04/23/2015	04/23/2015	04/27/2015	04/28/2015
	04-23-15-BBW-2	D156-11		METHOD	AQ	04/23/2015	04/23/2015	04/27/2015	04/28/2015
	04-23-15-EB-2	D156-06		METHOD	AQ	04/23/2015	04/23/2015	04/27/2015	04/28/2015
	04-23-15-PWB-11	D156-08		METHOD	AQ	04/23/2015	04/23/2015	04/27/2015	04/28/2015
	04-23-15-PWB-3	D156-07		METHOD	AQ	04/23/2015	04/23/2015	04/27/2015	04/28/2015
	04-23-15-PWB-8	D156-05		METHOD	AQ	04/23/2015	04/23/2015	04/27/2015	04/28/2015
8260B									
	04-22-15-PWB-2	D156-02	RES	5030B	AQ	04/22/2015	04/23/2015	05/01/2015	05/01/2015
	04-22-15-PWB-6	D156-03		5030B	AQ	04/22/2015	04/23/2015	05/01/2015	05/01/2015
	04-22-15-WB2-3	D156-01		5030B	AQ	04/22/2015	04/23/2015	05/01/2015	05/01/2015
	04-23-15-BBW-1	D156-10		5030B	AQ	04/23/2015	04/23/2015	05/02/2015	05/02/2015
	04-23-15-BBW-2	D156-11		5030B	AQ	04/23/2015	04/23/2015	05/02/2015	05/02/2015
	04-23-15-EB-2	D156-06		5030B	AQ	04/23/2015	04/23/2015	05/01/2015	05/01/2015
	04-23-15-PWB-11	D156-08		5030B	AQ	04/23/2015	04/23/2015	05/02/2015	05/02/2015
	04-23-15-PWB-3	D156-07		5030B	AQ	04/23/2015	04/23/2015	05/01/2015	05/01/2015
	04-23-15-PWB-8	D156-05		5030B	AQ	04/23/2015	04/23/2015	05/01/2015	05/01/2015
	04-23-15-TB-15	D156-04		5030B	AQ	04/23/2015	04/23/2015	05/01/2015	05/01/2015
	04-23-15-TB-16	D156-09		5030B	AQ	04/23/2015	04/23/2015	05/02/2015	05/02/2015
8260B SIM									
	04-22-15-PWB-2	D156-02	RES	5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-22-15-PWB-6	D156-03		5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-22-15-WB2-3	D156-01		5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-23-15-BBW-1	D156-10		5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
	04-23-15-BBW-2	D156-11		5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
	04-23-15-EB-2	D156-06		5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
	04-23-15-PWB-11	D156-08		5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
		D156-08I	DL	5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
	04-23-15-PWB-3	D156-07	RES	5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
	04-23-15-PWB-8	D156-05		5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
		D156-05I	DL	5030B	AQ	04/23/2015	04/23/2015	04/29/2015	04/29/2015
FE3500									
	04-22-15-PWB-2	D156-02	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D156 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-22-15-PWB-6	D156-03	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
	04-22-15-WB2-3	D156-01		NONE	AQ	04/22/2015	04/23/2015		04/23/2015
	04-23-15-BBW-1	D156-10		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
	04-23-15-BBW-2	D156-11		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
	04-23-15-EB-2	D156-06		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
	04-23-15-PWB-11	D156-08		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
	04-23-15-PWB-3	D156-07		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
	04-23-15-PWB-8	D156-05		NONE	AQ	04/23/2015	04/23/2015		04/23/2015
SM4500S2D									
	04-22-15-PWB-2	D156-02	RES	NONE	AQ	04/22/2015	04/23/2015		04/27/2015
	04-22-15-PWB-6	D156-03		NONE	AQ	04/22/2015	04/23/2015		04/27/2015
	04-22-15-WB2-3	D156-01		NONE	AQ	04/22/2015	04/23/2015		04/27/2015
	04-23-15-BBW-1	D156-10		NONE	AQ	04/23/2015	04/23/2015		04/27/2015
	04-23-15-BBW-2	D156-11		NONE	AQ	04/23/2015	04/23/2015		04/27/2015
	04-23-15-EB-2	D156-06		NONE	AQ	04/23/2015	04/23/2015		04/27/2015
	04-23-15-PWB-11	D156-08		NONE	AQ	04/23/2015	04/23/2015		04/27/2015
	04-23-15-PWB-3	D156-07		NONE	AQ	04/23/2015	04/23/2015		04/27/2015
	04-23-15-PWB-8	D156-05		NONE	AQ	04/23/2015	04/23/2015		04/27/2015

Method Blank Outlier Report

Method Blank Lab Sample ID : VO01E01B
Preparation Batch : VO01E01
Preparation Date : 05/01/2015
Analysis Method : 8260B
Lab Reporting Batch : 15D156
Analysis Date : 05/01/2015
Preparation Type : 5030B
Lab ID: EMXT

METHYLENE CHLORIDE	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.62**	**1.0**	**UG/L**	**J**	

METHYLENE CHLORIDE was qualified as method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
04-23-15-BBW-2	D156-11	1	1.2		UG/L
04-23-15-PWB-11	D156-08	1	0.98	J	UG/L

Reporting Limits Outlier Report

Lab Report Batch: 15D156 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-22-15-PWB-2	D156-02	415.1	AQ	TOC	J	0.781	1.00	MG/L
		8260B		CHLOROFORM	J	0.51	1.00	UG/L
04-22-15-WB2-3	D156-01	8260B	AQ	1,2-DICHLOROPROPANE	J	0.50	1.00	UG/L
04-23-15-BBW-1	D156-10	415.1	AQ	TOC	J	0.968	1.00	MG/L
		SM4500S2D		SULFIDE	J	0.0609	0.10	MG/L
04-23-15-BBW-2	D156-11	SM4500S2D	AQ	SULFIDE	J	0.0304	0.10	MG/L
04-23-15-EB-2	D156-06	300.0	AQ	NITRATE-N	J	0.0502	0.10	MG/L
04-23-15-PWB-11	D156-08	415.1	AQ	TOC	J	0.784	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.49	1.00	UG/L
				METHYLENE CHLORIDE	J	0.98	1.00	UG/L
04-23-15-PWB-3	D156-07	415.1	AQ	TOC	J	0.845	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.28	1.00	UG/L
04-23-15-PWB-8	D156-05	415.1	AQ	TOC	J	0.880	1.00	MG/L
		8260B		CHLOROFORM	J	0.45	1.00	UG/L
	D156-05I	8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	0.23	0.50	UG/L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.781	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.1	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-02

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.51	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	3.3	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.044	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-02I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	13.0	MG/L		YES															
SULFATE	135	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-6 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	2.28	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-6 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-6 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	5.1	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0053	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-6 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-6 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-03I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	16.7	MG/L		YES															
SULFATE	152	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	1.51	MG/L		YES															
NITRITE-N	1.33	MG/L		YES															
Analysis Method : *415.1*																			
TOC	1.06	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.50	UG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-01

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	4.7	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.28	UG/L		YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-01I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	1.61	MG/L		YES															
SULFATE	104	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-1 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.968	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.4	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-1 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-10

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-1 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	6.5	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	1.4	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-1 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.0609	MG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-1 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-10I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	37.6	MG/L		YES															
SULFATE	172	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	1.13	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-11

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.2	UG/L		YES	**U**			U											F
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.042	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.0304	MG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-BBW-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-11I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	32.8	MG/L		YES															
SULFATE	217	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-EB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	0.0502	MG/L	J	YES	**J**								J						L
NITRITE-N	0.100	MG/L	U	YES															
SULFATE	0.845	MG/L		YES															
Analysis Method : *415.1*																			
TOC	1.00	MG/L	U	YES															
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-EB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-EB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Analysis Method : *8260B SIM*

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-EB-2 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.0050	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-11 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.784	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.77	UG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	4.3	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.49	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-11 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-08

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-11 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	0.98	UG/L	J	YES	**UJ**			U					J						L,F
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	4.0	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-11 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-11 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-08I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	38.7	MG/L		YES															
SULFATE	91.1	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	4.1	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.50	UG/L	U	NO															
1,2-DIBROMOETHANE	0.50	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.845	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.28	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.26	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-3 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-07I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	18.1	MG/L		YES															
SULFATE	84.5	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-8 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.880	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	3.5	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.4	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-8 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-05

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.45	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-8 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	3.0	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.19	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-8 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-PWB-8 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D156-05I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	25.5	MG/L		YES															
SULFATE	130	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	3.2	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.23	UG/L	J	NO	**J**								J						L
1,2-DIBROMOETHANE	0.50	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-TB-15 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-TB-15 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-04

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-TB-15 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-TB-16 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-09

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-TB-16 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-09

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-23-15-TB-16 **Lab Report Batch :** 15D156 **Lab ID :** EMXT

Sample Date : 04/23/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D156-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Data Validation Report

Groundwater Monitoring Data

for
Brown & Bryant

Arvin, CA
Project No.: Eco-13-601

SDG#: 15D156

LEVEL III & IV

Prepared for:

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EXECUTIVE SUMMARY

This data validation report presents the evaluation and validation of the analytical data for eleven (11) ground water samples collected on 04-22-15 and 04-23-15 as part of biannually groundwater monitoring at Brown and Bryant, Arvin, California (CA). EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. The United States Army Corps of Engineers and the State of California have certified EMAX Laboratory to perform the analysis described within this project. (Eco & Associates Inc., April2013).

Eleven (11) ground water samples, which included two trip blank samples and one equipment blank sample, were collected on 04-22-14 and 04-23-14. EMAX Laboratory received the samples on 04-23-14. Trip blank samples accompanied the samples for volatile organic compounds and were analyzed for EPA Method 8260B only. The data was delivered in one package as Level III and Level IV deliverables. 10% of the data was subjected to validation equivalent to EPA Level IV data validation. Raw data for one sample from this sample group (04-23-15- PWB-8) was submitted as level IV deliverable for all the requested analytical methods. No sample was designated as MS/MSD in the chain of custody; therefore the results and recoveries of LCS/LCSD were used for both accuracy and precision.

Level III data validation examined quality assurance/quality control (QA/QC) elements such as holding time, (both extraction and analysis), critical quality control measures, completeness of the results, extraction logs, instrument injection logs and summaries of initial and continuing calibrations for the following EPA methods of analysis:

Volatile Organic Compounds by EPA Method **5030B**/**8260B**
Fumigants (EDB, DBCP & 1,2,3-Trichloropropane) by EPA Method **5030B/8260B SIM**
Dinoseb by EPA Method **8151A**
Anions (Nitrite-N, Nitrate-N and Sulfate) by IC, EPA Method **300.0**
Total Organic Carbon by Method **415.1**
Ferrous Iron by Standard Method **3500**
Total Sulfide by Standard Method **4500-S2D**
Methane and dissolved Hydrogen by EPA Method **RSK175**

At level IV data validation, the analytical results, QC results, initial calibration and related continuing calibration summary tables were comprehensively compared with the corresponding raw data and chromatograms presented with level IV data package.

All samples were analyzed for each of the components listed in the corresponding EPA Methods. The evaluation indicated that all the analytical work was performed as requested on the chain of custody. The extraction and analytical holding times were met for all samples in each method and subsequent dilutions.

Generally, data presented with this data package was considered acceptable and met quality control acceptance limits for each EPA Method, with some technical variations. The deviations are discussed in section 4.0 for each method. The results of sample analysis are tabulated in Appendix A.

1.0 INTRODUCTION

This report presents the evaluation and validation of analytical data collected as part of biannually groundwater monitoring at Brown and Bryant Superfund Site at Arvin, California.

1.1 Objectives and Scope of Data Validation

The main objective of this report is to evaluate the acceptability of groundwater data. The data validation was performed according to the analytical requirements of the method in the *Quality Assurance Project Plan, final Draft, Brown and Bryant, Arvin, CA,* (Project No: Eco-13-601, Eco & Associates Inc. December 2013), EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005, *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002) and Department of Defense Quality Systems Manual (DoD QSM) Version 4.2, 2010 .

1.2 Organization of the Report

Section 2.0 describes the components of the data review. Section 3.0 provides the qualitative quality assurance objectives. Section 4.0 summarizes the findings and conclusions of the data validation.

2.0 DATA REVIEW AND VALIDATION

Data validation is a systematic method for reviewing and qualifying the presented analytical data for their intended use. The objective of this data validation report is to identify any unacceptable or faulty measurements if any, as reported by the laboratory.

EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. Army Corps of Engineers and the State of California have certified EMAX laboratory to perform the EPA Methods of analysis described within this report.

Eleven (11) ground water samples, which included two trip blank samples and one equipment blank sample, were collected on 04-22-15 and 04-23-15. EMAX Laboratory received the samples on 04-23-15.

2.1 Data Reporting

The data was delivered in one package as Level III and Level IV deliverables. Ten percent of the data was subjected to validation equivalent to EPA Level IV data validation. EMAX Laboratory provided the following information in one data package for both LEVEL III and LEVEL IV deliverable.

- Sample identification number;
- Date of sample collection;
- Sample matrix type;
- Analysis method;
- Target lists and results of analysis;
- Quantitation limits and/or Reporting Limits;
- Laboratory qualifiers and qualifier definitions;
- Copies of sample logs and chain-of-custody logs;
- Sample preparation log (with the sample extraction date)
- Sample Analysis log (Instrument injection log with date and time of injection)
- Summary of initial and continuing calibrations;
- Quality control results and recoveries.

- Case narrative for each method.
- Raw data for all the initial calibration standards, Initial calibration verification standards (ICV), continuing calibration standards (CCV), ion fragments for positive hits, internal standard area counts and retention time window width, where applicable. Raw data for one sample (04-23-15- PWB-8) designated as level IV by ECO & Associates together with the associated QC samples were also included.

.

Data validation was performed in three stages: first an initial review of the analytical reports and QA/QC information was performed using summary results and summary tables only. Then, a full review of all analytical reports, QA/QC information, as well as the corresponding raw and analytical data was carried out. Finally summary tables and corresponding raw data of initial and continuing calibration standards, the extraction log, and injection (sequence) log were fully reviewed. Overall review assessed the effects of QA/QC results on the data usability. The review included such parameters as holding times, initial and continuing calibration method requirements, equipment performance check standards (Instrument tune check and degradation standards), surrogate recoveries, method blank results, lab control sample (LCS) and lab control sample duplicate (LCSD) for accuracy and precision.

Level IV data review compared the reported analytical results with those obtained from the raw data. Raw data was submitted for one sample at Level IV data deliverable for all the analytical methods requested on the chain of custody. Calculations and corresponding equations, as well as analyte identification criteria were all verified.

.

2.2 Data Evaluation

The following parameters were evaluated in the preliminary data review:

- Analysis performed and sample identifications were verified to be in accordance with the information provided on the chain-of-custody (COC);
- Technical holding times were confirmed for all samples with regard to the requested method of analysis (collection to extraction and extraction to analysis);
- Reported quantitation limits were compared with the project measurement objectives;

- Initial and continuing calibration standards were evaluated;
- Equipment performance standards (tuning check standard) was evaluated
- Field and laboratory blank results were evaluated;
- LCS/LCSD results were evaluated; and
- Laboratory matrix duplicate results, trip blank results as well as surrogate recoveries, internal standards and instrument performance check compounds were evaluated.
- Chromatograms and mass spectrum results as well as ion fragments for positive hits were evaluated

The following is a list of sample identifications and corresponding laboratory sample identification numbers:

CLIENT ID	
04-22-15-WB2-3	D156-01
04-22-15- PWB-2	D156-02
04-22-15- PWB-6	D156-03
04-23-15- TB-15	D156-04
04-23-15- PWB-8	D156-05
04-23-15- EB-2	D156-06
04-23-15-PWB-3	D156-07
04-23-15- PWB-11	D156-08
04-23-15- TB-16	D156-09
04-23-15- BBW-1	D156-03MS
04-23-15- BBW-2	D156-03MSD

Field duplicate and associated sample	
No field duplicate	NA

Table 2-1 below shows the specified analysis for constituents in the water samples, the corresponding Environmental Protection Agency (EPA) analytical method, and the corresponding practical quantitation limits (PQL/RL).

TABLE 2-1
Summary of Analytical Parameters
Brown & Bryant, Arvin, California

MATRIX	CONSTITUENT		EPA METHOD	RLs (µg/L)
Water	Volatile Organic Compounds		8260B	1*
	Fumigants (EDB, DBCP and 1,2,3-Trichloropropane)		8260B SIM	0.05-0.05* 0.005(1,2,3-TCP)
	Herbicides (Dinoseb)		8151A	0.40
	Fixed gases	Dissolved Hydrogen	RSK175	10.0
		Methane	RSK175	1.0
	Ferrous Iron		SM3500	2.0mg/L
	Sulfide		SM4500S2D	0.1mg/L
	Anions By IC	Nitrite-N	300.0	0.100(mg/L)
		Nitrate-N	300.0	0.100(mg/L)
		Sulfate	300.0	0.500(mg/L)
	Total Organic Carbon		415.1	1.0mg/L

Notes:
* Reporting limits for each analyte is listed with corresponding sample result table in Appendix A
RL = Reporting Limit,
NA = Not Available
µg/L = microgram/Liter
mg/L= milligram/Liter

2.2.1 Holding Times

Technical holding times are defined as the maximum time allowed between sample collection, extraction and analysis. A 14-day collection-to-analysis holding time was used for EPA Method 8260B and 8260B SIM. Samples were acidified to pH less than 2. A 7-day holding time from collection to extraction, and 40-day holding time from extraction-to-analysis was met, for EPA Method 8151A. Holding time of 48-Hours from collection to analysis was met for analysis of Anions.

TABLE 2-2
Summary of Analytical Methods and Holding Time Requirements
Brown & Bryant, Arvin, California

ANALYSIS Method	MATRIX	HOLDING TIME REQUIREMENT	DATA QUALIFIED AS "J"	DATA QUALIFIED AS "R"
EPA Method 8260B	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8260B SIM	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8151A	Water	7 days to extraction, 40 days to analysis	None. Holding times were met	None. Holding times were met
Nitrate, Nitrite & by EPA Method 300.0	Water	48 hours to extraction and analysis	None. Holding times were met	None. Holding times were met
Sulfate by EPA Method 300.0	Water	28 days from collection to analysis	None. Holding times were met	None. Holding times were met
Sulfide by SM4500S2D	Water	7 days from collection to analysis	None. Holding times were met	None. Holding times were met
Ferrous Iron by SM3500	Water	24 hours from collection to analysis	None. Holding times were met	None. Holding times were met
TOC by Method 415.1	Water	28 days to analysis	None. Holding times were	None. Holding times were met
Dissolved Hydrogen and Methane by RSK175	Water	14 days from collection to analysis	None. Holding times were met	None. Holding times were met

2.2.2 Laboratory and Field Blanks

The objective of laboratory and field blanks is to determine the presence and extent of contamination resulting from laboratory or field activities. Blanks reported here included method and/or extraction blanks, equipment blank and trip blanks. The result of analysis of method blank is discussed in section 4.0 for each method. All samples were transported in five ice preserved coolers and were stored in a refrigerator upon arrival to the laboratory. The temperatures of the coolers were recorded as 3.0˚C, to 5.4˚C for each upon arrival. All samples were received intact and in good condition.

3.0 QUALITY ASSURANCE OBJECTIVES

Quality assurance (QA) objectives define analytical parameters that validate the conclusions drawn from the results. Quality assurance was assessed through the following means: precision, accuracy, representativeness, completeness, and comparability (PARCC).

3.1 Qualitative QA Objectives

Qualitative aspects of QA for analytical data are characterized by completeness and representativeness.

3.1.1 Comparability

Comparability defines the level of confidence with which one data set can be compared with another. Comparability is related to accuracy and precision. It is also a measure of the data's reliability. All units for comparability are in accordance with standard procedures so that the results could be compared with other laboratories if necessary.

3.1.2 Representativeness

Representativeness is a quantity, which presents whether the results of analysis accurately portray the actual site conditions. Representativeness is a qualitative parameter, which signifies the extent of accuracy and precision, to which the data represent a characteristic population, parameter variations at a sampling point, process condition, or environmental conditions. The sampling procedures described within the approved QAPP (Eco & Associates, Inc., final version, April 2011) are designed to provide samples representative of the site conditions.

3.2 Quantitative QA Objectives

Quantitative QA Objectives for analytical data are defined as precision, accuracy, completeness, and method quantitation limits. These quantitative parameters are established in order to monitor the overall quality of analytical data produced by the laboratory. The laboratory performing the analytical methods specified in Table 2-1, and the case narratives, which is included in the data package from the laboratory, ensures the quality of the analytical data.

3.2.1 Precision

Precision is a measure of the closeness with which multiple analyses of a given sample agree with each other. It describes the agreement between two or more measurements that have been made in exactly the same way. Precision is measured through matrix spike/matrix spike duplicate samples, and laboratory control sample/laboratory control sample duplicate analysis. The relative percent difference (RPD) is calculated as a means of quantifying precision. The following equation is used for this purpose:

$$RPD = \frac{R_1 - R_2}{(R_1 + R_2)/2} \times 100$$

Where:

RPD = Relative percent difference

R_1 = Result of the first duplicate or measured sample concentration

R_2 = Result of the second duplicate or known sample or duplicate concentration

When analytes are present at concentrations below or near the quantitation limit, precision is measured, using MS/MSD, and/or LCS/LCSD results.
Precision results are discussed in Section 4.0 of this report.

3.2.2 Accuracy

Accuracy indicates the closeness of the measurement to its true or accepted value. Accuracy measures agreement between a result and its true value. Accuracy is measured through lab control sample (LCS) analysis and surrogate recoveries. Method-specific QA objectives for precision and accuracy were based on the quality control limits developed by the laboratory for the analytical methods, specified in Table 2-1. Additionally, initial and continuing calibrations were used to verify that the analytical instrument accurately measured the compound concentrations. Calculations were independently verified for the response factors and percent differences (%Ds).

3.2.3 Completeness

Completeness is defined as the percentage of total measurements, which are judged to be valid. The completeness objective is to obtain a sufficient amount of valid data to enable the goals and objectives of the project to be achieved.

Completeness is quantified by computing the fraction of reports, which remained valid after the sampling procedures were reviewed and the results conformed to QA/QC protocols. The following equation was used to calculate completeness:

$$\text{Completeness} = \frac{\text{No. of valid field samples with valid analysis}}{\text{No. of valid field samples collected}} \times 100$$

Completeness is affected by anything that reduces the number of samples analyzed (such as a sample bottle breaking), as well as acceptance or non-acceptance of analytical results.

4.0 DATA VALIDATION

This data review covers Nine (9) ground water samples listed on page 8 including dilutions if applicable. The analyses were according to the following EPA Methods:

EPA **Method 5030B/8260B** for volatile organic compounds

EPA **Method 5030B/8260B SIM** for fumigants (EDB, DBCP and 1, 2, 3-Trichloropropane)

EPA **Method 8151A** for Chlorinated Herbicides (Dinoseb)

Anions (Nitrite-N, Nitrate-N and Sulfate) by IC, EPA **Method 300.0**

Total Organic Carbon; **Method 415.1**

Ferrous Iron by Standard **Method 3500**

Total Sulfide by Standard Method **4500-S2D**

Methane and dissolved Hydrogen by EPA **Method RSK175**

This review follows USEPA Analytical Operations/Data Quality Center (*AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002); and EM 200-1-10 Guidance for Evaluating Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005. The following subsections correlate to the above guidelines.

A summary table summarizing all data and qualification, if any is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None indicates the finding did not significantly impact the data; therefore qualification was not required.

4.1. VOC (EPA Method 5030B/8260B)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of eleven (11) ground water samples were collected on 04-22-15 and 04-23-15. All samples and sample dilutions were analyzed on 05-01-15 and 05-02-15. Samples, QC samples and sample dilutions were analyzed with reference to one analytical batch (preparation batch: VO01E01).

The chain-of-custody was reviewed for documentation of sample information and method of analysis.

Table 1 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration on 02-12-15. At the start of analytical batch on 05-01-15, the tune check standard was also injected. All the mass ratio requirements were within the assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using GC/MSD with instrument ID #s TO-01. Initial calibration curve was generated on 02-12-15. A multilevel calibration curve ranging from 0.3µg/L to 50µg/L was used for this purpose (few compounds were calibrated from (0.5 µg/L-20 µg/L). All analytes were calibrated with a minimum of five calibration levels. Internal standard curve type was used for initial calibration. Minimum response factor for system performance check compounds (SPCCs) were within the method acceptable limits. Response factors at each level were randomly recalculated and all agreed with the response factors presented in the initial calibration summary table.

Minimum average response factors for the system performance check compounds (SPCCs) for each instrument were recognized according to the following tables:

Table 4.1.1: System Performance Check Compounds (Initial calibration)

System Performance check compounds (SPCCs)	Min. Ave. Response Factor (Method limits)	Ave. Res. Factor 02-12-15 (Calculated) Instrument ID#: T-O01
Chloromethane	≥ 0.10	0.357
1,1 -dichloroethane	≥ 0.10	0.634
Bromoform	≥ 0.10	0.406
Chlorobenzene	≥ 0.30	1.035
1,1,2,2-Tetrachloroethane	≥ 0.30	0.704

Average response factor curve fit was mainly used to show linearity within standard levels in initial calibration. Maximum 15% RSD limit was met for all the target compounds.

Calibration check compounds (CCCs) met the acceptance criteria for %RSD among the response factors calculated for each level. Table 4.1.2 lists the CCCs with the method requirement acceptance limits and the calculated %RSD among the response factors for each initial calibration.

Table 4.1.2 Calibration Check Compounds (CCCs): Initial Calibration

Calibration Check Compounds (CCCs)	Response Factors %RSD (Limit)	Response Factors %RSD 02-12-15 Instrument ID#: T-O01
1,1-Dichloroethene	-≤ 30%	5.41%
Chloroform	-≤ 30%	3.84%
1,2-Dichloropropane	-≤ 30%	5.04%
Toluene	-≤ 30%	4.73%
Ethyl benzene	-≤ 30%	3.32%
Vinyl chloride	-≤ 30%	5.56%

Initial Calibration Verification and Continuing Calibration verification (Daily Calibration)

Initial calibration was verified by a second source standard at the end of calibration and before sample analysis on 02-13-15. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

One continuing calibration check standard was analyzed at the beginning of analytical shift on 05-01-15. Prior to continuing calibration standard analysis, **instrument performance**

check standard analysis (BFB tune check) was carried out. It passed all the method tuning criteria.

The minimum average response factors for the system performance check compounds (SPCCs) for continuing calibration standard was all within the method limits. The following table list average response factors for system performance check compounds.

Table 4.1.3: System Performance Check Compounds: (Daily calibration)

System Performance Check compounds (SPCCs)	Minimum response factor (Method limits)	Second source St. Response factors CCRF 02-13-15	Continuing cal. Response factors CCRF 05-01-15
Chloromethane	≥ 0.10	0.327	0.364
1,1-Dichloroethane	≥ 0.10	0.622	0.695
Chlorobenzene	≥ 0.10	1.023	1.142
Bromoform	≥ 0.30	0.412	0.434
1,1,2,2-Tetrachloroethane	≥ 0.30	0.969	0.801

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all the Calibration Check Compounds (CCCs) and less than or equal to 20% for the rest of target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration. The calculated % difference between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.1.4 for continuing calibration compounds as follows:

Table 4.1.4 Calibration Check Compounds (CCCs): ICV and Daily Calibration

Calibration Check Compounds (CCCs)	%Deviation From Initial calibration (Acceptance Limit)	Deviation from Initial calibration 2nd source (02-13-15)	Deviation from Initial calibration Daily calibration(05-01-15)
Vinyl chloride	-≤ 20%	5.9%	4.7%
1,1-Dichloroethene	-≤ 20%	4.2%	3.5%
Chloroform	-≤ 20%	1.7%	9.7%
1,2-Dichloropropane	-≤ 20%	1.4%	11.0%
Toluene	-≤ 20%	5.3%	5.9%
Ethyl benzene	-≤ 20%	3.3%	7.3%

Deviation from the initial calibration was less than 20 percent for the rest of target list (Non-CC compounds). Only 2,2-Dichloropropane failed maximum 20 % difference for continuing calibration standard analyzed on 05-01-15 (%D=24.4%).

Quality Control samples: The QC samples reported consisted of one method blank and one set of LCS/LCSD. No sample was designated to be spiked as MS/MSD. Therefore the results and percent recoveries of LCS/LCSD were used to evaluate both accuracy and precision. The full list of target compounds were spiked and reported for LCS/LCSD. Percent recoveries and percent RPDs for all the QC samples reported were within the project acceptance limits for all of the reported compounds in LCS/LCSD.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary table.

Method blank: One method blank was presented with the data package, analyzed on 05-01-15 (batch #VO01E01). A trace of Methylene chloride was detected in method blank (0.622µg/L).

Field duplicate sample and its associated sample: No field duplicate was collected with this sample group.

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Raw data for one sample, 04-23-15-PWB-8, was submitted as level IV data deliverable. Raw data for associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 1 appendix A.

4.2. EPA Method 5030B/8260B SIM (FUMIGANTS)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. All samples and QC samples were analyzed on 04-29-15. Samples and QC samples were analyzed with reference to one preparation batch (VO01D25).

The chain-of-custody was reviewed for documentation of sample information and method of analysis. Samples were analyzed for three fumigants: 1,2-Dibromomethane (EDB), 1,2,3-Trichloropropane (TCP), and 1,2-Dibromo-3-chloropropane (DBCP). A Mass detector at Selected Ion Monitoring mode (SIM) was used to achieve low detection limits required for the target compounds.

Table 2 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration and at the start of analytical batch. All mass ratios were within the method assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using purge and trap together with GC/MSD at selected ion monitoring mode. Instrument ID # T-O01 was used for the analysis. Initial calibration curve was generated on 01-13-15. A multilevel calibration curve ranging from 5-10ng/L (ppt) to 2000ng/L (ppt) was used for this purpose. (Lowest calibration level for 1,2-Dibromo-3-chloropropane was 10ng/L). Instrument performance check standard (BFB) was analyzed prior to initial calibration. It passed all the tuning criteria. Modified version of SW-846 8260B (SIM) was used for generation of calibration curve and data. Internal standard curve type was used for initial calibration. Minimum response factor for all the target compounds were within the method acceptable limits. Average response factor curve fit was used to show linearity. Percent relative standard deviation (%RSD) among

response factors was less than 15% for all target analytes. Using results from raw data, response factors at each level were randomly recalculated and all agreed with the response factors submitted in the initial calibration summary table.

Initial Calibration Verification and Continuing Calibration (Daily calibration)

The initial calibration curve was verified by a second source standard (ICV) at the end of calibration and before sample analysis on 01-13-15. Quality control criteria regarding minimum response factors were within methods, acceptance limits. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

One continuing calibration check standard was analyzed at the beginning of analytical shift on 04-29-15. Prior to analysis of continuing calibration, instrument performance check was carried out by injection of BFB tune check standard. Instrument mass ratios were all within specifications of the method.

The calculated % difference (%D) between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.2.1 for the targets of interest in this method as follows:

Table 4.2.1: Percent difference from initial calibration: (Daily calibration)

Target Compounds	% Deviation From Initial Calibration Method Criteria	% Deviation From Initial Calibration 2nd Source St. (Calculated) (**01-13-15**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-29-15)**
1,2-Dibromomethane (EDB)	≤ 20%	8.6	7.8
1,2,3-Trichloropropane(TCP)	≤ 20%	8.8	3.7
1,2-Dibromo-3-chloroporopane (DBCP)	≤ 20%	4.2	17.0

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal

to 20% for all target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration.

Quality Control: The QC samples reported consisted of one method blank and one set of LCS/LCSD. No sample was designated to be spiked as MS/MSD. Therefore the results and percent recovery of LCS/LCSD was used to evaluate both accuracy and precision. All three target compounds were spiked and reported for LCS/LCSD. Percent recoveries and percent RPDs for LCS/LCSD were within the project acceptance limits for all reported compounds.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary tables.

Method blank: One method blank was presented with the data package, analyzed on 04-29-15 (batch # VO01D25). Method blank was reported as non-detected for analytes in the target list.

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Field duplicate sample and its associated sample: No field duplicate sample was collected with this sample group.

Raw data for one sample, 04-23-15-PWB-8, together with all further dilutions was submitted as level IV data deliverable. Raw data for all associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 2 Appendix A.

4.3 DINOSEB BY GC/ECD (EPA Method 8151A)

Technical Holding Times

A 7-day technical holding time from sample collection to extraction and 40-day from extraction to analysis was met for all samples. A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. Samples were extracted with one preparation batch on 04-27-15 (preparation batch # HED010W). Sample extracts were all analyzed within 40-day holding time on 04-27-15 and 04-28-15.

EPA Method 8151A uses GC equipped with two Electron Capture Detectors (ECDs) and two columns connected to the same injection port for analysis. Results and raw data generated from both columns were submitted. Chlorinated Herbicides (Dinoseb) was determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration generated on 04-08-15. Seven calibration levels (18.9-189 µg/L) were used in initial calibration. Channel A and B were both calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel. Percent relative standard deviation (%RSD) among calibration factors (CFs) for both channel A and B were less than 20% for all target compounds. Retention time window width (0.014-0.030min) was established by using initial calibration standards at each level. All further sample and QC analysis identification were based on the assigned retention time windows set by initial calibration for each peak. The instrument was calibrated for full list of Herbicides, both for initial calibration and continuing (daily calibration), but the result of analysis was reported only for Dinoseb.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Initial calibration curve was verified by a second source standard at the end of calibration and prior to sample analysis on 04-08-15. Percent difference between mean calibration factors from initial calibration and calibration factors calculated from the second source were less than 15% for both Dinoseb and DCPA (used as surrogate).

Three continuing calibration standards with intervals of 10 sample injections were analyzed with samples, and QC samples. Samples were analyzed on 04-27-15 and 04-28-15. Percent difference between initial calibration average response factors and the response factors calculated for Dinoseb from continuing calibrations were mostly less than 20%. Dinoseb percent recovery exceeded 20% maximum limit in column A. Therefore, positive results for Dinoseb were reported from column B.

Quality Control samples consisted of one method blank and one set of LCS/LCSD. No sample was designated to be spiked as MS/MSD. Therefore the results and percent recovery of LCS/LCSD was used to evaluate both accuracy and precision. Full Herbicide list was spiked for LCS/LCSD and MS/MSD, but only the result of Dinoseb and DCPA (as surrogate) were reported for precision and accuracy. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD. Calculated %RPD was less than 30% acceptance limit

Method blank was reviewed for each component and no herbicide was found in the method blank for the extraction batch # HED010W.

Surrogate recoveries were all within the method's acceptable limits for all initial analyses. The calculated result for each sample is incorporated in table 3 in Appendix A.

Field duplicate samples and its associated samples: No field duplicate sample was collected with this sample group.

Raw data for one sample, 04-23-15-PWB-8, with related QC samples were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results together with the surrogate recoveries are tabulated in table 3 Appendix A.

4.4 Method 300.0: Anions

A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. Samples were analyzed for Nitrate-N, Nitrite and Sulfate using Ion Chromatography (IC) on 04-23-15 and 4-24-15 (batch #ICD026W, ICD028 and ICD030W). All the field samples and dilutions were analyzed within 48-hour holding time requirement.

Anions such as Nitrate-N, Nitrite and Sulfate were separated from water samples by Ion chromatography. The separated anions in their acid form (very conductive) were measured by conductivity. They were identified on the basis of retention time as compared to previously established retention time window set by reference standards.

One set of initial calibration curve (ranging from 0.05 to 20 mg/L) was generated on 02-26-15. Instrument was initially calibrated with nine calibration levels. Linear curve type with correlation coefficients of at least 0.999 was used for each anion throughout analysis. Percent RSD among calibration factors was less than 15%. Calibration curve (concentration of each anion versus area count of each anion) was presented for each target compound. Area for each level was randomly checked with the values and equations presented with each calibration curve. All agreed with the raw data. Retention time window was established for each anion. A second source standard mixture at mid-point (1.0mg/L for Nitrate and 5.0mg/L for Sulfate) was used to verify the linearity of initial calibration for each anion on 02-26-15. Recoveries were all within 90-110% of initial value.

Daily (Continuing) Calibrations:

A total of eight (8), continuing calibration standards were analyzed on 04-23-15 and 04-24-15. Continuing calibration standards were analyzed with samples, sample dilutions and QC samples. The recoveries of target anions were within 90-110% of the expected values in all submitted continuing calibration standards. After each continuing calibration standard, one calibration blank was injected. All the blanks were reported as non-detected regarding all the target anions.

Quality Control Samples consisted of three method blanks and three sets of LCS/LCSD and MS/MSD for each requested anion. Client's sample (04-23-15-BBW-2) was spiked for precision as MS/MSD. It was also analyzed as sample duplicate. Recoveries of LCS/LCSD and

MS/MSD were within 90-110 % of spiked values, covering the QC limits requirements. Percent RPDs were less than 20% for LCS/LCSD. Each QC set was analyzed with the same dilution factor as the one used for reporting the corresponding anion.

Field duplicate sample and its associated sample: No field duplicate sample was collected with this sample group.

Raw data for one sample, 04-23-15-PWB-8, with related QC samples and dilutions were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 4 Appendix A.

4.5 Total Organic Carbon (TOC) by EPA Method 415.1

A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. Samples were analyzed for Total Organic Carbon (TOC) on 04-25-15, within 28-days holding time requirement. Organically bound carbons in water are measured by oxidation or combustion of organic molecules to single smaller molecules. TOC analyzers utilize high temperature combustion to convert Organic Carbon to carbon dioxide, which is measured by the analyzer. Non-Purgable Organic Carbon (NPOC) is the target of interest.

One set of initial calibration curve with at least 5 calibration levels (ranging from 1.0mg/L to 80 mg/L) was generated on 04-24-15. Linear curve type with correlation coefficients of at least 0.999641 was used throughout analysis. Calibration curve (area versus concentration) was presented for Non-purgable Organic Carbon. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard mixture at mid-point of the calibration curve (25mg/L) was used to verify the linearity of each initial calibration on 04-24-15. Recoveries were all within 90-110% of initial value. Continuing calibration standards, together with continuing calibration blanks were analyzed at 10-injection intervals on 04-25-15. They all passed the assigned calibration criteria.

Quality Control Samples consisted of one method blank and one set of LCS/LCSD. No sample was marked in the chain of custody to be spiked as MS/MSD. Therefore the results and recoveries of LCS/LCSD were used to evaluate both accuracy and precision. Percent recoveries of LCS/LCSD were within 80-120 % of spiked values, covering the QC limits requirements. Percent RPDs were less than 20% for the presented QC.

Field duplicate sample and its associated sample: No field duplicate sample was collected with this sample group.

Raw data and corresponding chromatogram for all nine samples with QC samples were presented with the data package. Four readings were recorded for each sample.
Final reported results were average of the four readings for each sample. The sample results are tabulated in table 5 Appendix A.

4.6 Ferrous Iron by Standard Method 3500

A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. Samples were analyzed for Ferrous Iron on 04-23-15, within 24-hour holding time. Ferrous Iron (in reduced form) reacts with an oxidation-reduction indicator (o-Phenanthroline), resulting in a colored complex. The intensity of color formed due to reaction, is proportional to the amount of ferrous iron in the solution and can be detected and measured by a spectrophotometer.

One set of initial calibration curve with at least 5 calibration levels (ranging from 2.0mg/L to 25 mg/L) was generated on 04-23-15. Linear curve type with correlation coefficients of at least 0.999922 was used throughout analysis. Calibration curve (Absorbance versus concentration) was presented for initial calibration standards. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard (ICV) mixture at mid-point (15mg/L) was used to verify the linearity of initial calibration on 04-23-15. Recoveries were all within 90-110% of initial value. Two continuing calibration standards (CCV), together with continuing calibration blanks were analyzed with samples and QC samples on 04-23-15. They passed the calibration criteria.

Quality Control Samples consisted of method blank, one set of LCS/LCSD, MS/MSD and sample duplicate. Client's sample (04-22-15-WB2-3) was spiked as MS/MSD and also analyzed as sample duplicate for evaluation of accuracy and precision. Recoveries of LCS/LCSD and MS/MSD were within the acceptance limit of 80-120 % of spiked value. Percent RPDs were less than 20% for LCS/LCSD.

Field duplicate sample and its associated sample: No field duplicate sample was collected with this sample group.

Raw data that included results of analysis and calibration curve was presented for all nine samples together with QC samples. The sample results are tabulated in table 6 Appendix A.

4.7 Sulfide by Standard Method SM4500-S2D

A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. Samples were analyzed for Total Sulfide on 04-27-15, within seven-day holding time (batch #SFD004W).

The method is based on reaction of Sulfide, Ferric chloride and Amine-sulfuric acid to produce Methylene blue. The intensity of color is proportional to the sulfide concentration in water. The intensity of color resulting from reaction can be detected and measured by a spectrophotometer.

One set of initial calibration curve with at least 5 calibration levels (ranging from 0.02mg/L to 0.80 mg/L) was generated on 04-27-15. Linear curve type with correlation coefficient of at least 0.999984 was used throughout analysis. Calibration curve (Absorbance versus concentration of standard solutions), together with related equations was presented. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard mixture at mid-point (0.40mg/L) was used to verify the linearity of initial calibration on 04-27-15. Recoveries were all within 90-110% of initial value. Two continuing calibration standards, together with continuing calibration blanks were analyzed with samples and QC samples on 04-27-15. They passed the calibration criteria.

Quality Control Samples consisted of one method blank and one set of LCS/LCSD. Recoveries of LCS/LCSD were within 80-120 %, covering the QC limits requirements of spiked values. Percent RPDs were less than 20% for LCS/LCSD.

Field duplicate sample and its associated sample: No field duplicate sample was collected with this sample group.

Raw data for all nine samples, with related QC samples and were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 7 Appendix A.

4.8. METHANE and DISSOVED HYDROGEN by EPA Method RSK175

Technical Holding Times

A 14-day technical holding time from sample collection to analysis was met for all samples. A total of nine (9) ground water samples were collected on 04-22-15 and 04-23-15. Samples were all analyzed within the 14-day holding time on 04-28-15, 04-29-15 and 04-30-15.

EPA Method RSK175 uses GC equipped with a thermal conductivity detector (TCD) and a flame ionization detector (FID). Sample from headspace is injected into a GC with a single column connected to two detectors in series. GC/FID response was used for Methane and GC/TCD response was used for Hydrogen.

Results of analysis from both detectors were submitted. Methane and dissolved hydrogen were determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration for each analyte (gas). GC/TCD was calibrated with five calibration levels (1000-50000 ppmv for Hydrogen) on

06-30-14 and GC/FID was calibrated with five calibration levels (3-10000ppmv for Methane) on 04-28-15. The same instrument was used (instrument ID#GC8A) for both detectors but samples were injected separately for each calibration/detector. Both detectors were calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel.

Linear curve type was used for both detectors (TCD) and (FID) with correlation coefficient of 0.999293 for Hydrogen (TCD) and $r^{2=}$0.999846 for Methane (FID). Retention time window width was established by using initial calibration standards at each level. All further sample and QC analysis identification were based on the assigned time windows set by initial calibration for each peak.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Continuing calibration verification standard (CCV) was submitted for both Hydrogen (TCD detector) and Methane (FID detector). Percent difference was less than 20% for both detectors. Two continuing calibration standards with intervals of 10 sample injections were analyzed with samples and all the QC samples. All samples and QC samples were analyzed on 04-28-15, 04-29-15 and 04-30-15. Percent difference between initial calibration average response factors and the response factors calculated for each analyte from continuing calibrations were less than 20% for all standards.

Quality Control samples consisted of one method blank and one set of LCS/LCSD. No sample was designated to be spiked as MS/MSD. Therefore, results of analysis and percent recoveries of LCS/LCSD were used to evaluate both accuracy and precision. Both Hydrogen and Methane were spiked and reported for LCS/LCSD. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD. Calculated %RPD was less than 30% acceptance limit.

Method blank was reviewed for each component and no target analyte was found in the method blank for each detector.

Surrogate: No surrogate is used in this method.

Field duplicate sample and its associated sample: No field duplicate sample was collected with this sample group.

Raw data for all nine samples, with related QC samples were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 8 Appendix A.

5.0 Conclusion

Overall, the data presented is generally regarded as acceptable for all the EPA methods listed in the chain of custody. The data can reliably be used for the purpose of this project.

6.0 References

1. *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002).

2. *Quality Assurance Project Plan, final Draft, Brown & Bryant, CA,* (Project No. Eco-13-601, Eco & Associates Inc.)

3. U.S. Environmental Protection Agency, Dec. 1996, *SW846 Laboratory Manual Physical/Chemical Methods.* Revision 3, Washington, D.C. 20460.

4. EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005.

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7.0 APPENDIX A

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-22-15-WB2-3 µg/L	04-22-15-PWB-2 µg/L	04-22-15-PWB-6 µg/L	04-23-15-TB-15 µg/L	04-23-15-PWB-8 µg/L	04-23-15-EB-2 µg/L
Acetone	10	U	U	U	U	U	U
Benzene	1.0	U	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	U	U	U
Chlorobenzene	1.0	U	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	U	**0.51J**	U	U	**0.45J**	U
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	U	U	U	U	U	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	U	U	U	U
1,2-Dichloroethane	1.0	U	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	**0.50J**	**1.1**	U	U	**1.4**	U
1,3-Dichloropropane	0.5	U	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	U	U	U	U	U	U

ANALYTE	RLs µg/L	04-22-15-WB2-3 µg/L	04-22-15-PWB-2 µg/L	04-22-15-PWB-6 µg/L	04-23-15-TB-15 µg/L	04-23-15-PWB-8 µg/L	04-23-15-EB-2 µg/L
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	**4.7**	**3.3**	**5.1**	U	U	U
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	U	U	U	U	U	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	U	U	U	U	**3.5**	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)	**(Limits)**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**	**% Recovery**
1,2Dichloroeth-d4	70-120	90.9	91.1	91.0	91.7	91.1	90.2
4-Bromofluorbenze	75-120	101	100	100	101	100	100
Toluene-d8	85-120	98.3	97.3	96.4	99.0	97.1	98.7
Dibromofluoromethane	85-115	91.9	91.7	92.5	91.5	92.0	91.7

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-23-15-PWB-3 µg/L	04-23-15-PWB-11 µg/L	04-23-15-TB-16 µg/L	04-23-15-BBW-1 µg/L	04-23-15-BBW-2 µg/L	
Acetone	10	U	U	U	U	U	
Benzene	1.0	U	U	U	U	U	
Bromobenzene	1.0	U	U	U	U	U	
Bromochloromethane	1.0	U	U	U	U	U	
Bromodichloromethane	1.0	U	U	U	U	U	
Bromoform	1.0	U	U	U	U	U	
Bromomethane	1.0	U	U	U	U	U	
2-Butanone	10	U	U	U	U	U	
n-Butylbenzene	1.0	U	U	U	U	U	
sec-Butylbenzene	1.0	U	U	U	U	U	
tert-Butylbenzene	1.0	U	U	U	U	U	
Carbon Disulfide	1.0	U	U	U	U	U	
Carbon Tetrachloride	1.0	U	U	U	U	U	
Chlorobenzene	1.0	U	U	U	U	U	
Chloroethane	1.0	U	U	U	U	U	
2-ChloroethylVinylether	1.0	U	U	U	U	U	
Chloroform	1.0	U	U	U	U	U	
Chloromethane	1.0	U	U	U	U	U	
2-Chlorotoluene	1.0	U	U	U	U	U	
4-Chlorotoluene	1.0	U	U	U	U	U	
1,2Dibromo3Chloropropane	1.0	U	U	U	U	U	
Dibromochloromethane	1.0	U	U	U	U	U	
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	
Dibromomethane	1.0	U	U	U	U	U	
1,2-Dichlorobenzene	1.0	U	U	U	U	U	
1,3-Dichlorobenzene	1.0	U	U	U	U	U	
1,4-Dichlorobenzene	1.0	U	U	U	U	U	
Dichlorodifluoromethan	1.0	U	U	U	U	U	
1,1-Dichloroethane	1.0	U	U	U	U	U	
1,2-Dichloroethane	1.0	U	U	U	U	U	
1,1-Dichloroethene	1.0	U	U	U	U	U	
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	
1,2-Dichloropropane	1.0	**0.28J**	**0.49J**	U	U	U	
1,3-Dichloropropane	0.5	U	U	U	U	U	
2,2-Dichloropropane	1.0	U	U	U	U	U	
1,1-Dichloropropene	1.0	U	U	U	U	U	
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	
Ethylbenzene	1.0	U	U	U	U	U	

ANALYTE	RLs µg/L	04-23-15-PWB-3 µg/L	04-23-15-PWB-11 µg/L	04-23-15-TB-16 µg/L	04-23-15-BBW-1 µg/L	04-23-15-BBW-2 µg/L	
Hexachlorobutadiene	1.0	U	U	U	U	U	
2-Hexanone	10	U	U	U	U	U	
Isopropylbenzene	1.0	U	U	U	U	U	
p-Isopropyltoluene	1.0	U	U	U	U	U	
MTBE	1.0	U	U	U	U	U	
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	
Methylene chloride	1.0	U	**0.98J**	U	**6.5**	**1.2**	
Naphthalene	1.0	U	U	U	U	U	
n- Propylbenzene	1.0	U	U	U	U	U	
Styrene	1.0	U	U	U	U	U	
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	
Tetrachloroethene	1.0	U	U	U	U	U	
Toluene	1.0	U	U	U	U	U	
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	
1,1,1-Trichloroethane	1.0	U	U	U	U	U	
1,1,2-Trichloroethane	1.0	U	U	U	U	U	
Trichloroethene	1.0	U	U	U	U	U	
Trichlorofluoromethane	1.0	U	U	U	U	U	
1,2,3-Trichloropropane	1.0	U	**4.3**	U	**1.4**	U	
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	
Vinyl Chloride	1.0	U	U	U	U	U	
o-Xylene	1.0	U	U	U	U	U	
m-& p-Xylenes	1.0	U	U	U	U	U	
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	93.5	92.1	94.7	91.5	93.2	
4-Bromofluorbenze	75-120	99.1	100	99.8	101	100	
Toluene-d8	85-120	97.4	97.4	95.9	97.2	97.4	
Dibromofluoromethane	85-115	92.9	92.2	94.4	92.7	92.5	

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-22-15-WB2-3 µg/L	04-22-15-PWB-2 µg/L	04-22-15-PWB-6 µg/L	04-23-15-PWB-8 µg/L	04-23-15-EB-2 µg/L	04-23-15-PWB-3 µg/L
EDB	0.05	ND	ND	ND	ND	ND	ND
DBCP	0.05	ND	ND	ND	**0.19**	ND	ND
1,2,3-Trichloropropane	0.005	**0.28**	**0.044**	**0.0053**	**3.2**	ND	**0.26**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	94.7	97.4	101	90.8	103	91.3

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-22-15-PWB-11 µg/L	04-22-15-BBW-1 µg/L	04-22-15-BBW-2 µg/L			
EDB	0.05	ND	ND	ND			
DBCP	0.05	ND	ND	ND			
1,2,3-Trichloropropane	0.005	**4.1**	**1.4**	**0.042**			
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	91.7	95.0	99.4			

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-22-15-WB2-3 µg/L	04-22-15-PWB-2 µg/L	04-22-15-PWB-6 µg/L	04-23-15-PWB-8 µg/L	04-23-15-EB-2 µg/L	04-23-15-PWB-3 µg/L
Dinoseb	0.4	ND	ND	ND	ND	ND	ND
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	89.4	89.6	88.7	91.0	81.8	94.5

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-23-15-PWB-11 µg/L	04-23-15-BBW-1 µg/L	04-22-15-BBW-2 µg/L			
Dinoseb	0.4	**0.77**	ND	ND			
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	101	86.9	91.5			

Table 4-Anions (Nitrate-N, Nitrite-N and Sulfate): EPA Method 300.0

ANALYTE	RLs mg/L	04-22-15-WB2-3 mg/L	04-22-15-PWB-2 mg/L	04-22-15-PWB-6 mg/L	04-23-15-PWB-8 mg/L	04-23-15-EB-2 mg/L	04-23-15-PWB-3 mg/L
Anions							
Nitrate-N	0.1	**1.51**	**13.0**	**16.7**	**25.5**	**0.502J**	**18.1**
Nitrite	0.1	**1.33**	ND	ND	ND	ND	ND
Sulfate	0.5	**104**	**135**	**152**	**130**	**0.845**	**84.5**

Table 4-Anions (Nitrate-N, Nitrite-N and Sulfate): EPA Method 300.0

ANALYTE	RLs mg/L	04-23-15-PWB-11 mg/L	04-23-15-BBW-1 mg/L	04-22-15-BBW-2 mg/L			
Anions							
Nitrate-N	0.1	**38.7**	**37.6**	**32.8**			
Nitrite	0.1	ND	ND	ND			
Sulfate	0.5	**91.1**	**172**	**217**			

Table 5-Total Organic Carbon: EPA Method 415.1

ANALYTE	RLs mg/L	04-22-15-WB2-3 mg/L	04-22-15-PWB-2 mg/L	04-22-15-PWB-6 mg/L	04-23-15-PWB-8 mg/L	04-23-15-EB-2 mg/L	04-23-15-PWB-3 mg/L
TOC	1.0	**1.06**	**0.781J**	**2.28**	**0.880J**	**ND**	**0.845J**

Table 5-Total Organic Carbon: EPA Method 415.1

ANALYTE	RLs mg/L	04-23-15-PWB-11 mg/L	04-23-15-BBW-1 mg/L	04-22-15-BBW-2 mg/L			
TOC	1.0	**0.784J**	**0.968J**	**1.13**			

Table 6-Ferrous Iron: Standard Method 3500

ANALYTE	RLs mg/L	04-22-15-WB2-3 mg/L	04-22-15-PWB-2 mg/L	04-22-15-PWB-6 mg/L	04-23-15-PWB-8 mg/L	04-23-15-EB-2 mg/L	04-23-15-PWB-3 mg/L
Ferrous Iron	2.0	ND	ND	ND	ND	ND	ND

Table 6-Ferrous Iron: Standard Method 3500

ANALYTE	RLs mg/L	04-23-15-PWB-11 mg/L	04-23-15-BBW-1 mg/L	04-22-15-BBW-2 mg/L			
Ferrous Iron	2.0	ND	ND	ND	ND	ND	ND

Table 7-Sulfide: Standard Method 4500S2D

ANALYTE	RLs mg/L	04-22-15-WB2-3 mg/L	04-22-15-PWB-2 mg/L	04-22-15-PWB-6 mg/L	04-23-15-PWB-8 mg/L	04-23-15-EB-2 mg/L	04-23-15-PWB-3 mg/L
Sulfide	0.1	ND	ND	ND	ND	ND	ND

Table 7-Sulfide: Standard Method 4500S2D

ANALYTE	RLs mg/L	04-23-15-PWB-11 mg/L	04-23-15-BBW-1 mg/L	04-22-15-BBW-2 mg/L			
Sulfide	0.1	ND	ND	ND	ND	ND	ND

Table 8- Methane and Dissolved Hydrogen: RSK175

ANALYTE	RLs µg/L	04-22-15-WB2-3 µg/L	04-22-15-PWB-2 µg/L	04-22-15-PWB-6 µg/L	04-23-15-PWB-8 µg/L	04-23-15-EB-2 µg/L	04-23-15-PWB-3 µg/L
Hydrogen	1.0	ND	ND	ND	ND	ND	ND
Methane	10	**9.4**	ND	ND	ND	ND	ND

Table 8- Methane and Dissolved Hydrogen: RSK175

ANALYTE	RLs µg/L	04-23-15-PWB-11 µg/L	04-23-15-BBW-1 µg/L	04-22-15-BBW-2 µg/L			
Hydrogen	1.0	ND	ND	ND			
Methane	10	ND	ND	ND			

Automatic Data Validation Report

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Project #: Eco-13-601

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April, 2015

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Ground water Monitoring

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Brown & Bryant, Arvin, California

EPA Methods: 8260B, 8260B (SIM), 8151A
300.0, 415.1, SM3500, SM4500S2D
and
RSK175

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			48	Hours	2	GT
415.1			28	Days	2	GT
8151	7	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT
FE3500			48	Hours	2	GT
RSK175				Days	2	GT
SM4500S2D			7	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Holding Times

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Sampling To Extraction	Extraction To Analysis	Sampling To Analysis	Units	Rejection Point	Rejection Point Criteria
300.0			28	Days	2	GT
415.1			28	Days	2	GT
8151	14	40		Days	2	GT
8260B			14	Days	2	GT
8260B SIM			14	Days	2	GT

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
FE3500	15438-31-0	Ferrous Iron	5
RSK175	1333-74-0	HYDROGEN	5
	74-82-8	METHANE	5
SM4500S2D	18496-25-8	SULFIDE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
300.0	17778-88-0	Nitrate-N	5
	14797-65-0	Nitrite-N	5
	14808-79-8	SULFATE	5
415.1	E-10195	TOC	5
8151	88-85-7	DINOSEB	5
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5
	71-55-6	1,1,1-TRICHLOROETHANE	5
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5
	79-00-5	1,1,2-TRICHLOROETHANE	5
	75-34-3	1,1-DICHLOROETHANE	5
	75-35-4	1,1-DICHLOROETHENE	5
	563-58-6	1,1-DICHLOROPROPENE	5
	87-61-6	1,2,3-TRICHLOROBENZENE	5
	96-18-4	1,2,3-TRICHLOROPROPANE	5
	120-82-1	1,2,4-TRICHLOROBENZENE	5
	95-63-6	1,2,4-TRIMETHYLBENZENE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5
	95-50-1	1,2-DICHLOROBENZENE	5
	107-06-2	1,2-DICHLOROETHANE	5
	78-87-5	1,2-DICHLOROPROPANE	5
	108-67-8	1,3,5-TRIMETHYLBENZENE	5
	541-73-1	1,3-DICHLOROBENZENE	5
	142-28-9	1,3-DICHLOROPROPANE	5
	106-46-7	1,4-DICHLOROBENZENE	5
	594-20-7	2,2-DICHLOROPROPANE	5
	78-93-3	2-BUTANONE	5
	95-49-8	2-CHLOROTOLUENE	5
	591-78-6	2-HEXANONE	5
	106-43-4	4-CHLOROTOLUENE	5
	67-64-1	ACETONE	5
	71-43-2	BENZENE	5
	108-86-1	BROMOBENZENE	5
	74-97-5	BROMOCHLOROMETHANE	5
	75-27-4	BROMODICHLOROMETHANE	5
	75-25-2	BROMOFORM	5
	74-83-9	BROMOMETHANE	5
	75-15-0	CARBON DISULFIDE	5
	56-23-5	CARBON TETRACHLORIDE	5
	108-90-7	CHLOROBENZENE	5
	75-00-3	CHLOROETHANE	5
	67-66-3	CHLOROFORM	5
	74-87-3	CHLOROMETHANE	5

Library Validation Criteria: Method Blanks

Library Group ID : ECO_BrownandBryant_121114 All Methods
Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	5X or 10X Rule
8260B	156-59-2	CIS-1,2-DICHLOROETHENE	5
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5
	124-48-1	DIBROMOCHLOROMETHANE	5
	74-95-3	DIBROMOMETHANE	5
	75-71-8	DICHLORODIFLUOROMETHANE	5
	100-41-4	ETHYLBENZENE	5
	76-13-1	FREON113	5
	87-68-3	HEXACHLOROBUTADIENE	5
	98-82-8	Isopropyl Benzene	5
	136777-61-2	M,P-XYLENES	5
	75-09-2	METHYLENE CHLORIDE	5
	108-10-1	MIBK	5
	1634-04-4	MTBE	5
	91-20-3	NAPHTHALENE	5
	104-51-8	N-BUTYLBENZENE	5
	103-65-1	N-PROPYLBENZENE	5
	95-47-6	O-XYLENE	5
	99-87-6	P-ISOPROPYLTOLUENE	5
	135-98-8	SEC-BUTYLBENZENE	5
	100-42-5	STYRENE	5
	98-06-6	TERT-BUTYLBENZENE	5
	127-18-4	TETRACHLOROETHENE	5
	108-88-3	TOLUENE	5
	156-60-5	TRANS-1,2-DICHLOROETHENE	5
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5
	79-01-6	TRICHLOROETHENE	5
	75-69-4	TRICHLOROFLUOROMETHANE	5
	108-05-4	VINYL ACETATE	5
	75-01-4	VINYL CHLORIDE	5
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	5
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5
	106-93-4	1,2-DIBROMOETHANE	5

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **AQ**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
FE3500	15438-31-0	Ferrous Iron	20	
RSK175	1333-74-0	HYDROGEN		
	74-82-8	METHANE		
SM4500S2D	18496-25-8	SULFIDE	20	

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
300.0	17778-88-0	Nitrate-N	20	
	14797-65-0	Nitrite-N	20	
	14808-79-8	SULFATE	20	
415.1	E-10195	TOC	20	
8151	88-85-7	DINOSEB		
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE		
	71-55-6	1,1,1-TRICHLOROETHANE		
	79-34-5	1,1,2,2-TETRACHLOROETHANE		
	79-00-5	1,1,2-TRICHLOROETHANE		
	75-34-3	1,1-DICHLOROETHANE		
	75-35-4	1,1-DICHLOROETHENE		
	563-58-6	1,1-DICHLOROPROPENE		
	87-61-6	1,2,3-TRICHLOROBENZENE		
	96-18-4	1,2,3-TRICHLOROPROPANE		
	120-82-1	1,2,4-TRICHLOROBENZENE		
	95-63-6	1,2,4-TRIMETHYLBENZENE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		
	95-50-1	1,2-DICHLOROBENZENE		
	107-06-2	1,2-DICHLOROETHANE		
	78-87-5	1,2-DICHLOROPROPANE		
	108-67-8	1,3,5-TRIMETHYLBENZENE		
	541-73-1	1,3-DICHLOROBENZENE		
	142-28-9	1,3-DICHLOROPROPANE		
	106-46-7	1,4-DICHLOROBENZENE		
	594-20-7	2,2-DICHLOROPROPANE		
	78-93-3	2-BUTANONE		
	95-49-8	2-CHLOROTOLUENE		
	591-78-6	2-HEXANONE		
	106-43-4	4-CHLOROTOLUENE		
	67-64-1	ACETONE		
	71-43-2	BENZENE		
	108-86-1	BROMOBENZENE		
	74-97-5	BROMOCHLOROMETHANE		
	75-27-4	BROMODICHLOROMETHANE		
	75-25-2	BROMOFORM		
	74-83-9	BROMOMETHANE		
	75-15-0	CARBON DISULFIDE		
	56-23-5	CARBON TETRACHLORIDE		
	108-90-7	CHLOROBENZENE		
	75-00-3	CHLOROETHANE		
	67-66-3	CHLOROFORM		
	74-87-3	CHLOROMETHANE		
	156-59-2	CIS-1,2-DICHLOROETHENE		
	10061-01-5	CIS-1,3-DICHLOROPROPENE		
	124-48-1	DIBROMOCHLOROMETHANE		
	74-95-3	DIBROMOMETHANE		
	75-71-8	DICHLORODIFLUOROMETHANE		
	100-41-4	ETHYLBENZENE		

Library Validation Critera: Laboratory and Field Duplicate Criteria

Library: **ECO_BrownandBryant_12** All Methods

Matrix: **SO**

Analytical Method	Client Analyte ID	Analyte Name	Lab Duplicate RPD	Field Duplicate RPD
8260B	76-13-1	FREON113		
	87-68-3	HEXACHLOROBUTADIENE		
	98-82-8	Isopropyl Benzene		
	136777-61-2	M,P-XYLENES		
	75-09-2	METHYLENE CHLORIDE		
	108-10-1	MIBK		
	1634-04-4	MTBE		
	91-20-3	NAPHTHALENE		
	104-51-8	N-BUTYLBENZENE		
	103-65-1	N-PROPYLBENZENE		
	95-47-6	O-XYLENE		
	99-87-6	P-ISOPROPYLTOLUENE		
	135-98-8	SEC-BUTYLBENZENE		
	100-42-5	STYRENE		
	98-06-6	TERT-BUTYLBENZENE		
	127-18-4	TETRACHLOROETHENE		
	108-88-3	TOLUENE		
	156-60-5	TRANS-1,2-DICHLOROETHENE		
	10061-02-6	TRANS-1,3-DICHLOROPROPENE		
	79-01-6	TRICHLOROETHENE		
	75-69-4	TRICHLOROFLUOROMETHANE		
	108-05-4	VINYL ACETATE		
	75-01-4	VINYL CHLORIDE		
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE		
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE		
	106-93-4	1,2-DIBROMOETHANE		

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery	
					Lower Limit	Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	40	140
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	70	120
	460-00-4	4-Bromofluorobenzene	10	LT	75	120
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	85	115
	2037-26-5	TOLUENE-D8	10	LT	85	120
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	80	120

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Acceptance Criteria: Surrogates

Library Group ID : ECO_BrownandBryant_121114

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit
8151	19719-28-9	2,4-DCPAA	10	LT	10	150
8260B	17060-07-0	1,2-DICHLOROETHANE-D4	10	LT	60	160
	460-00-4	4-Bromofluorobenzene	10	LT	70	150
	1868-53-7	DIBROMOFLUOROMETHANE	10	LT	70	130
	2037-26-5	TOLUENE-D8	10	LT	70	140
8260B SIM	2037-26-5	TOLUENE-D8	10	LT	50	150

Legend

Rejection Point Criteria

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	70	135	30
	78-93-3	2-BUTANONE	10	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	10	LT	75	125	30
	591-78-6	2-HEXANONE	10	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	130	30
	67-64-1	ACETONE	10	LT	40	140	30
	71-43-2	BENZENE	10	LT	80	120	30
	108-86-1	BROMOBENZENE	10	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	75	120	30
	75-25-2	BROMOFORM	10	LT	70	130	30
	74-83-9	BROMOMETHANE	10	LT	30	145	30
	75-15-0	CARBON DISULFIDE	10	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	140	30
	108-90-7	CHLOROBENZENE	10	LT	80	120	30
	75-00-3	CHLOROETHANE	10	LT	60	135	30
	67-66-3	CHLOROFORM	10	LT	65	135	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	74-87-3	CHLOROMETHANE	10	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	60	135	30
	74-95-3	DIBROMOMETHANE	10	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	30	155	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	10	LT	50	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	125	30
	136777-61-2	M,P-XYLENES	10	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	60	135	30
	1634-04-4	MTBE	10	LT	65	125	30
	91-20-3	NAPHTHALENE	10	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	10	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	10	LT	70	130	30
	95-47-6	O-XYLENE	10	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	70	125	30
	100-42-5	STYRENE	10	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	45	150	30
	108-88-3	TOLUENE	10	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	55	140	30
	79-01-6	TRICHLOROETHENE	10	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	60	145	30
	108-05-4	VINYL ACETATE	10	LT	65	135	30
	75-01-4	VINYL CHLORIDE	10	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	50	LT	80	120	20
RSK175	1333-74-0	HYDROGEN	10	LT	80	120	20
	74-82-8	METHANE	10	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	50	LT	80	120	20

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	50	LT	90	110	20
	14797-65-0	Nitrite-N	50	LT	90	110	20
	14808-79-8	SULFATE	50	LT	90	110	20
415.1	E-10195	TOC	50	LT	80	120	20
8151	88-85-7	DINOSEB	10	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	10	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	10	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	10	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	10	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	10	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	10	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	10	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	10	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	10	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	10	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	10	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	10	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	10	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	10	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	10	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	10	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	10	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	10	LT	65	135	30
	78-93-3	2-BUTANONE	10	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	10	LT	70	130	30
	591-78-6	2-HEXANONE	10	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	10	LT	75	125	30
	67-64-1	ACETONE	10	LT	20	160	30
	71-43-2	BENZENE	10	LT	75	125	30
	108-86-1	BROMOBENZENE	10	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	10	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	10	LT	70	130	30
	75-25-2	BROMOFORM	10	LT	55	135	30
	74-83-9	BROMOMETHANE	10	LT	30	160	30
	75-15-0	CARBON DISULFIDE	10	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	10	LT	65	135	30
	108-90-7	CHLOROBENZENE	10	LT	75	125	30
	75-00-3	CHLOROETHANE	10	LT	40	155	30
	67-66-3	CHLOROFORM	10	LT	70	125	50

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Laboratory Control Samples / Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery		RPD
					Lower Limit	Upper Limit	
8260B	74-87-3	CHLOROMETHANE	10	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	10	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	10	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	10	LT	65	130	30
	74-95-3	DIBROMOMETHANE	10	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	10	LT	35	135	30
	100-41-4	ETHYLBENZENE	10	LT	75	125	30
	76-13-1	FREON113	10	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	10	LT	55	140	30
	98-82-8	Isopropyl Benzene	10	LT	75	130	30
	136777-61-2	M,P-XYLENES	10	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	10	LT	55	140	30
	108-10-1	MIBK	10	LT	45	145	30
	1634-04-4	MTBE	10	LT	60	150	50
	91-20-3	NAPHTHALENE	10	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	10	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	10	LT	65	135	30
	95-47-6	O-XYLENE	10	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	10	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	10	LT	65	130	30
	100-42-5	STYRENE	10	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	10	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	10	LT	65	140	30
	108-88-3	TOLUENE	10	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	10	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	LT	65	125	30
	79-01-6	TRICHLOROETHENE	10	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	10	LT	25	185	30
	108-05-4	VINYL ACETATE	10	LT	20	160	50
	75-01-4	VINYL CHLORIDE	10	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	10	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	10	LT	50	150	30

Legend *Rejection Point Criteria*
LT : Less Than *GT : Greater Than*
LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	20	100	30
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	80	130	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	65	130	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	65	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	75	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	70	135	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	70	130	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	75	130	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	55	140	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	135	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	75	130	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	70	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	130	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	75	125	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	75	130	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	75	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	75	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	70	135	30
	78-93-3	2-BUTANONE	0	LT	30	150	30
	95-49-8	2-CHLOROTOLUENE	0	LT	75	125	30
	591-78-6	2-HEXANONE	0	LT	55	130	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	130	30
	67-64-1	ACETONE	0	LT	40	140	30
	71-43-2	BENZENE	0	LT	80	120	30
	108-86-1	BROMOBENZENE	0	LT	75	125	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	65	130	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	75	120	30
	75-25-2	BROMOFORM	0	LT	70	130	30
	74-83-9	BROMOMETHANE	0	LT	30	145	30
	75-15-0	CARBON DISULFIDE	0	LT	35	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	140	30
	108-90-7	CHLOROBENZENE	0	LT	80	120	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	60	135	30
	67-66-3	CHLOROFORM	0	LT	65	135	30
	74-87-3	CHLOROMETHANE	0	LT	40	125	30
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	70	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	130	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	60	135	30
	74-95-3	DIBROMOMETHANE	0	LT	75	125	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	30	155	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	65	135	30
	87-68-3	HEXACHLOROBUTADIENE	0	LT	50	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	125	30
	136777-61-2	M,P-XYLENES	0	LT	75	130	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	60	135	30
	1634-04-4	MTBE	0	LT	65	125	30
	91-20-3	NAPHTHALENE	0	LT	55	140	30
	104-51-8	N-BUTYLBENZENE	0	LT	70	135	30
	103-65-1	N-PROPYLBENZENE	0	LT	70	130	30
	95-47-6	O-XYLENE	0	LT	80	120	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	130	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	70	125	30
	100-42-5	STYRENE	0	LT	65	135	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	70	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	45	150	30
	108-88-3	TOLUENE	0	LT	75	120	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	60	140	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	55	140	30
	79-01-6	TRICHLOROETHENE	0	LT	70	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	60	145	30
	108-05-4	VINYL ACETATE	0	LT	65	135	30
	75-01-4	VINYL CHLORIDE	0	LT	50	145	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	75	125	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	130	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	80	120	30
FE3500	15438-31-0	Ferrous Iron	30	LT	75	125	20
RSK175	1333-74-0	HYDROGEN	0	LT	80	120	20
	74-82-8	METHANE	0	LT	80	120	20
SM4500S2D	18496-25-8	SULFIDE	30	LT	75	125	20

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
300.0	17778-88-0	Nitrate-N	30	LT	80	120	20
	14797-65-0	Nitrite-N	30	LT	80	120	20
	14808-79-8	SULFATE	30	LT	80	120	20
415.1	E-10195	TOC	30	LT	75	125	20
8151	88-85-7	DINOSEB	0	LT	10	130	50
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	0	LT	75	125	30
	71-55-6	1,1,1-TRICHLOROETHANE	0	LT	70	135	30
	79-34-5	1,1,2,2-TETRACHLOROETHANE	0	LT	55	130	30
	79-00-5	1,1,2-TRICHLOROETHANE	0	LT	60	125	30
	75-34-3	1,1-DICHLOROETHANE	0	LT	75	125	30
	75-35-4	1,1-DICHLOROETHENE	0	LT	65	135	30
	563-58-6	1,1-DICHLOROPROPENE	0	LT	70	135	30
	87-61-6	1,2,3-TRICHLOROBENZENE	0	LT	60	135	30
	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	65	130	50
	120-82-1	1,2,4-TRICHLOROBENZENE	0	LT	65	130	30
	95-63-6	1,2,4-TRIMETHYLBENZENE	0	LT	65	135	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	40	135	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	70	125	30
	95-50-1	1,2-DICHLOROBENZENE	0	LT	75	120	30
	107-06-2	1,2-DICHLOROETHANE	0	LT	70	135	30
	78-87-5	1,2-DICHLOROPROPANE	0	LT	70	120	30
	108-67-8	1,3,5-TRIMETHYLBENZENE	0	LT	65	135	30
	541-73-1	1,3-DICHLOROBENZENE	0	LT	70	125	30
	142-28-9	1,3-DICHLOROPROPANE	0	LT	75	125	30
	106-46-7	1,4-DICHLOROBENZENE	0	LT	70	125	30
	594-20-7	2,2-DICHLOROPROPANE	0	LT	65	135	30
	78-93-3	2-BUTANONE	0	LT	30	160	30
	95-49-8	2-CHLOROTOLUENE	0	LT	70	130	30
	591-78-6	2-HEXANONE	0	LT	45	145	30
	106-43-4	4-CHLOROTOLUENE	0	LT	75	125	30
	67-64-1	ACETONE	0	LT	20	160	30
	71-43-2	BENZENE	0	LT	75	125	30
	108-86-1	BROMOBENZENE	0	LT	65	120	30
	74-97-5	BROMOCHLOROMETHANE	0	LT	70	125	30
	75-27-4	BROMODICHLOROMETHANE	0	LT	70	130	30
	75-25-2	BROMOFORM	0	LT	55	135	30
	74-83-9	BROMOMETHANE	0	LT	30	160	30
	75-15-0	CARBON DISULFIDE	0	LT	45	160	30
	56-23-5	CARBON TETRACHLORIDE	0	LT	65	135	30
	108-90-7	CHLOROBENZENE	0	LT	75	125	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Matrix Spike /Matrix Spike Duplicates

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Rejection Point	Rejection Point Criteria	Percent Recovery Lower Limit	Percent Recovery Upper Limit	RPD
8260B	75-00-3	CHLOROETHANE	0	LT	40	155	30
	67-66-3	CHLOROFORM	0	LT	70	125	50
	74-87-3	CHLOROMETHANE	0	LT	50	130	50
	156-59-2	CIS-1,2-DICHLOROETHENE	0	LT	65	125	30
	10061-01-5	CIS-1,3-DICHLOROPROPENE	0	LT	70	125	30
	124-48-1	DIBROMOCHLOROMETHANE	0	LT	65	130	30
	74-95-3	DIBROMOMETHANE	0	LT	75	130	30
	75-71-8	DICHLORODIFLUOROMETHANE	0	LT	35	135	30
	100-41-4	ETHYLBENZENE	0	LT	75	125	30
	76-13-1	FREON113	0	LT	50	140	50
	87-68-3	HEXACHLOROBUTADIENE	0	LT	55	140	30
	98-82-8	Isopropyl Benzene	0	LT	75	130	30
	136777-61-2	M,P-XYLENES	0	LT	80	125	30
	75-09-2	METHYLENE CHLORIDE	0	LT	55	140	30
	108-10-1	MIBK	0	LT	45	145	30
	1634-04-4	MTBE	0	LT	60	150	50
	91-20-3	NAPHTHALENE	0	LT	40	125	30
	104-51-8	N-BUTYLBENZENE	0	LT	65	140	30
	103-65-1	N-PROPYLBENZENE	0	LT	65	135	30
	95-47-6	O-XYLENE	0	LT	75	125	30
	99-87-6	P-ISOPROPYLTOLUENE	0	LT	75	135	30
	135-98-8	SEC-BUTYLBENZENE	0	LT	65	130	30
	100-42-5	STYRENE	0	LT	75	125	30
	98-06-6	TERT-BUTYLBENZENE	0	LT	65	130	30
	127-18-4	TETRACHLOROETHENE	0	LT	65	140	30
	108-88-3	TOLUENE	0	LT	70	125	30
	156-60-5	TRANS-1,2-DICHLOROETHENE	0	LT	65	135	30
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0	LT	65	125	30
	79-01-6	TRICHLOROETHENE	0	LT	75	125	30
	75-69-4	TRICHLOROFLUOROMETHANE	0	LT	25	185	30
	108-05-4	VINYL ACETATE	0	LT	10	160	50
	75-01-4	VINYL CHLORIDE	0	LT	60	125	30
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0	LT	50	150	30
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0	LT	50	150	30
	106-93-4	1,2-DIBROMOETHANE	0	LT	50	150	30

Legend *Rejection Point Criteria*

LT : Less Than *GT : Greater Than*

LE : Less Than or Equal *GE : Greater Than or Equal*

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	0.1	PQL	mg/L
	14797-65-0	Nitrite-N	0.1	PQL	mg/L
	14808-79-8	SULFATE	0.5	PQL	mg/L
415.1	E-10195	TOC	1	PQL	mg/L
8151	88-85-7	DINOSEB	0.4	PQL	ug/L
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	71-55-6	1,1,1-TRICHLOROETHANE	1.0	PQL	ug/L
	79-34-5	1,1,2,2-TETRACHLOROETHANE	1.0	PQL	ug/L
	79-00-5	1,1,2-TRICHLOROETHANE	1.0	PQL	ug/L
	75-34-3	1,1-DICHLOROETHANE	1.0	PQL	ug/L
	75-35-4	1,1-DICHLOROETHENE	1.0	PQL	ug/L
	563-58-6	1,1-DICHLOROPROPENE	1.0	PQL	ug/L
	87-61-6	1,2,3-TRICHLOROBENZENE	1.0	PQL	ug/L
	96-18-4	1,2,3-TRICHLOROPROPANE	1.0	PQL	ug/L
	120-82-1	1,2,4-TRICHLOROBENZENE	1.0	PQL	ug/L
	95-63-6	1,2,4-TRIMETHYLBENZENE	1.0	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1.0	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	1.0	PQL	ug/L
	95-50-1	1,2-DICHLOROBENZENE	1.0	PQL	ug/L
	107-06-2	1,2-DICHLOROETHANE	1.0	PQL	ug/L
	78-87-5	1,2-DICHLOROPROPANE	1.0	PQL	ug/L
	108-67-8	1,3,5-TRIMETHYLBENZENE	1.0	PQL	ug/L
	541-73-1	1,3-DICHLOROBENZENE	1.0	PQL	ug/L
	142-28-9	1,3-DICHLOROPROPANE	0.5	PQL	ug/L
	106-46-7	1,4-DICHLOROBENZENE	1.0	PQL	ug/L
	594-20-7	2,2-DICHLOROPROPANE	1.0	PQL	ug/L
	78-93-3	2-BUTANONE	10	PQL	ug/L
	95-49-8	2-CHLOROTOLUENE	1.0	PQL	ug/L
	591-78-6	2-HEXANONE	10	PQL	ug/L
	106-43-4	4-CHLOROTOLUENE	1.0	PQL	ug/L
	67-64-1	ACETONE	10	PQL	ug/L
	71-43-2	BENZENE	1.0	PQL	ug/L
	108-86-1	BROMOBENZENE	1.0	PQL	ug/L
	74-97-5	BROMOCHLOROMETHANE	1.0	PQL	ug/L
	75-27-4	BROMODICHLOROMETHANE	1.0	PQL	ug/L
	75-25-2	BROMOFORM	1.0	PQL	ug/L
	74-83-9	BROMOMETHANE	1.0	PQL	ug/L
	75-15-0	CARBON DISULFIDE	1.0	PQL	ug/L
	56-23-5	CARBON TETRACHLORIDE	1.0	PQL	ug/L
	108-90-7	CHLOROBENZENE	1.0	PQL	ug/L
	75-00-3	CHLOROETHANE	1.0	PQL	ug/L
	67-66-3	CHLOROFORM	1.0	PQL	ug/L
	74-87-3	CHLOROMETHANE	1.0	PQL	ug/L
	156-59-2	CIS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-01-5	CIS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	124-48-1	DIBROMOCHLOROMETHANE	1.0	PQL	ug/L
	74-95-3	DIBROMOMETHANE	1.0	PQL	ug/L
	75-71-8	DICHLORODIFLUOROMETHANE	1.0	PQL	ug/L
	100-41-4	ETHYLBENZENE	1.0	PQL	ug/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : AQ

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	1.0	PQL	ug/L
	87-68-3	HEXACHLOROBUTADIENE	1.0	PQL	ug/L
	98-82-8	Isopropyl Benzene	1.0	PQL	ug/L
	136777-61-2	M,P-XYLENES	1.0	PQL	ug/L
	75-09-2	METHYLENE CHLORIDE	1.0	PQL	ug/L
	108-10-1	MIBK	10	PQL	ug/L
	1634-04-4	MTBE	1.0	PQL	ug/L
	91-20-3	NAPHTHALENE	1.0	PQL	ug/L
	104-51-8	N-BUTYLBENZENE	1.0	PQL	ug/L
	103-65-1	N-PROPYLBENZENE	1.0	PQL	ug/L
	95-47-6	O-XYLENE	1.0	PQL	ug/L
	99-87-6	P-ISOPROPYLTOLUENE	1.0	PQL	ug/L
	135-98-8	SEC-BUTYLBENZENE	1.0	PQL	ug/L
	100-42-5	STYRENE	1.0	PQL	ug/L
	98-06-6	TERT-BUTYLBENZENE	1.0	PQL	ug/L
	127-18-4	TETRACHLOROETHENE	1.0	PQL	ug/L
	108-88-3	TOLUENE	1.0	PQL	ug/L
	156-60-5	TRANS-1,2-DICHLOROETHENE	1.0	PQL	ug/L
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1.0	PQL	ug/L
	79-01-6	TRICHLOROETHENE	1.0	PQL	ug/L
	75-69-4	TRICHLOROFLUOROMETHANE	1.0	PQL	ug/L
	108-05-4	VINYL ACETATE	2.0	PQL	ug/L
	75-01-4	VINYL CHLORIDE	1.0	PQL	ug/L
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/L
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/L
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/L
FE3500	15438-31-0	Ferrous Iron	2	PQL	mg/L
RSK175	1333-74-0	HYDROGEN	10	PQL	ug/L
	74-82-8	METHANE	1	PQL	ug/L
SM4500S2D	18496-25-8	SULFIDE	0.1	PQL	mg/L

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
300.0	17778-88-0	Nitrate-N	1	PQL	mg/Kg
	14797-65-0	Nitrite-N	1	PQL	mg/Kg
	14808-79-8	SULFATE	5	PQL	mg/Kg
415.1	E-10195	TOC	10	PQL	mg/Kg
8151	88-85-7	DINOSEB	10	PQL	ug/Kg
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	71-55-6	1,1,1-TRICHLOROETHANE	5	PQL	ug/Kg
	79-34-5	1,1,2,2-TETRACHLOROETHANE	5	PQL	ug/Kg
	79-00-5	1,1,2-TRICHLOROETHANE	5	PQL	ug/Kg
	75-34-3	1,1-DICHLOROETHANE	5	PQL	ug/Kg
	75-35-4	1,1-DICHLOROETHENE	5	PQL	ug/Kg
	563-58-6	1,1-DICHLOROPROPENE	5	PQL	ug/Kg
	87-61-6	1,2,3-TRICHLOROBENZENE	5	PQL	ug/Kg
	96-18-4	1,2,3-TRICHLOROPROPANE	5	PQL	ug/Kg
	120-82-1	1,2,4-TRICHLOROBENZENE	5	PQL	ug/Kg
	95-63-6	1,2,4-TRIMETHYLBENZENE	5	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	5	PQL	ug/Kg
	95-50-1	1,2-DICHLOROBENZENE	5	PQL	ug/Kg
	107-06-2	1,2-DICHLOROETHANE	5	PQL	ug/Kg
	78-87-5	1,2-DICHLOROPROPANE	5	PQL	ug/Kg
	108-67-8	1,3,5-TRIMETHYLBENZENE	5	PQL	ug/Kg
	541-73-1	1,3-DICHLOROBENZENE	5	PQL	ug/Kg
	142-28-9	1,3-DICHLOROPROPANE	5	PQL	ug/Kg
	106-46-7	1,4-DICHLOROBENZENE	5	PQL	ug/Kg
	594-20-7	2,2-DICHLOROPROPANE	5	PQL	ug/Kg
	78-93-3	2-BUTANONE	10	PQL	ug/Kg
	95-49-8	2-CHLOROTOLUENE	5	PQL	ug/Kg
	591-78-6	2-HEXANONE	10	PQL	ug/Kg
	106-43-4	4-CHLOROTOLUENE	5	PQL	ug/Kg
	67-64-1	ACETONE	10	PQL	ug/Kg
	71-43-2	BENZENE	5	PQL	ug/Kg
	108-86-1	BROMOBENZENE	5	PQL	ug/Kg
	74-97-5	BROMOCHLOROMETHANE	5	PQL	ug/Kg
	75-27-4	BROMODICHLOROMETHANE	5	PQL	ug/Kg
	75-25-2	BROMOFORM	5	PQL	ug/Kg
	74-83-9	BROMOMETHANE	10	PQL	ug/Kg
	75-15-0	CARBON DISULFIDE	5	PQL	ug/Kg
	56-23-5	CARBON TETRACHLORIDE	5	PQL	ug/Kg
	108-90-7	CHLOROBENZENE	5	PQL	ug/Kg
	75-00-3	CHLOROETHANE	5	PQL	ug/Kg
	67-66-3	CHLOROFORM	5	PQL	ug/Kg
	74-87-3	CHLOROMETHANE	5	PQL	ug/Kg
	156-59-2	CIS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-01-5	CIS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	124-48-1	DIBROMOCHLOROMETHANE	5	PQL	ug/Kg
	74-95-3	DIBROMOMETHANE	5	PQL	ug/Kg
	75-71-8	DICHLORODIFLUOROMETHANE	5	PQL	ug/Kg
	100-41-4	ETHYLBENZENE	5	PQL	ug/Kg

Library Validation Criteria: Reporting and Detection Limits

Library Group ID : ECO_BrownandBryant_121114 All Methods

Sample Matrix : SO

Analytical Method	Client Analyte ID	Analyte Name	Reporting Limit Criteria	Reporting Limit Type	Units
8260B	76-13-1	FREON113	5	PQL	ug/Kg
	87-68-3	HEXACHLOROBUTADIENE	5	PQL	ug/Kg
	98-82-8	Isopropyl Benzene	5	PQL	ug/Kg
	136777-61-2	M,P-XYLENES	10	PQL	ug/Kg
	75-09-2	METHYLENE CHLORIDE	5	PQL	ug/Kg
	108-10-1	MIBK	10	PQL	ug/Kg
	1634-04-4	MTBE	5	PQL	ug/Kg
	91-20-3	NAPHTHALENE	5	PQL	ug/Kg
	104-51-8	N-BUTYLBENZENE	5	PQL	ug/Kg
	103-65-1	N-PROPYLBENZENE	5	PQL	ug/Kg
	95-47-6	O-XYLENE	5	PQL	ug/Kg
	99-87-6	P-ISOPROPYLTOLUENE	5	PQL	ug/Kg
	135-98-8	SEC-BUTYLBENZENE	5	PQL	ug/Kg
	100-42-5	STYRENE	5	PQL	ug/Kg
	98-06-6	TERT-BUTYLBENZENE	5	PQL	ug/Kg
	127-18-4	TETRACHLOROETHENE	5	PQL	ug/Kg
	108-88-3	TOLUENE	5	PQL	ug/Kg
	156-60-5	TRANS-1,2-DICHLOROETHENE	5	PQL	ug/Kg
	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	PQL	ug/Kg
	79-01-6	TRICHLOROETHENE	5	PQL	ug/Kg
	75-69-4	TRICHLOROFLUOROMETHANE	5	PQL	ug/Kg
	108-05-4	VINYL ACETATE	5	PQL	ug/Kg
	75-01-4	VINYL CHLORIDE	5	PQL	ug/Kg
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE	0.005	PQL	ug/Kg
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.05	PQL	ug/Kg
	106-93-4	1,2-DIBROMOETHANE	0.05	PQL	ug/Kg

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8151	88-85-7	DINOSEB											
8260B	630-20-6	1,1,1,2-TETRACHLOROETHANE											
	71-55-6	1,1,1-TRICHLOROETHANE											
	79-34-5	1,1,2,2-TETRACHLOROETHANE											
	79-00-5	1,1,2-TRICHLOROETHANE											
	75-34-3	1,1-DICHLOROETHANE											
	75-35-4	1,1-DICHLOROETHENE											
	563-58-6	1,1-DICHLOROPROPENE											
	87-61-6	1,2,3-TRICHLOROBENZENE											
	96-18-4	1,2,3-TRICHLOROPROPANE											
	120-82-1	1,2,4-TRICHLOROBENZENE											
	95-63-6	1,2,4-TRIMETHYLBENZENE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
	95-50-1	1,2-DICHLOROBENZENE											
	107-06-2	1,2-DICHLOROETHANE											
	78-87-5	1,2-DICHLOROPROPANE											
	108-67-8	1,3,5-TRIMETHYLBENZENE											
	541-73-1	1,3-DICHLOROBENZENE											
	142-28-9	1,3-DICHLOROPROPANE											
	106-46-7	1,4-DICHLOROBENZENE											
	594-20-7	2,2-DICHLOROPROPANE											
	78-93-3	2-BUTANONE											
	95-49-8	2-CHLOROTOLUENE											
	591-78-6	2-HEXANONE											
	106-43-4	4-CHLOROTOLUENE											
	67-64-1	ACETONE											
	71-43-2	BENZENE											
	108-86-1	BROMOBENZENE											
	74-97-5	BROMOCHLOROMETHANE											
	75-27-4	BROMODICHLOROMETHANE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	75-25-2	BROMOFORM											
	74-83-9	BROMOMETHANE											
	75-15-0	CARBON DISULFIDE											
	56-23-5	CARBON TETRACHLORIDE											
	108-90-7	CHLOROBENZENE											
	75-00-3	CHLOROETHANE											
	67-66-3	CHLOROFORM											
	74-87-3	CHLOROMETHANE											
	156-59-2	CIS-1,2-DICHLOROETHENE											
	10061-01-5	CIS-1,3-DICHLOROPROPENE											
	124-48-1	DIBROMOCHLOROMETHANE											
	74-95-3	DIBROMOMETHANE											
	75-71-8	DICHLORODIFLUOROMETHANE											
	100-41-4	ETHYLBENZENE											
	76-13-1	FREON113											
	87-68-3	HEXACHLOROBUTADIENE											
	98-82-8	Isopropyl Benzene											
	136777-61-2	M,P-XYLENES											
	75-09-2	METHYLENE CHLORIDE											
	108-10-1	MIBK											
	1634-04-4	MTBE											
	91-20-3	NAPHTHALENE											
	104-51-8	N-BUTYLBENZENE											
	103-65-1	N-PROPYLBENZENE											
	95-47-6	O-XYLENE											
	99-87-6	P-ISOPROPYLTOLUENE											
	135-98-8	SEC-BUTYLBENZENE											
	100-42-5	STYRENE											
	98-06-6	TERT-BUTYLBENZENE											
	127-18-4	TETRACHLOROETHENE											
	108-88-3	TOLUENE											

Library Validation Criteria: Organic Instrument Calibration

Library : ECO_BrownandBryant_121114

Analytical Method	Client Analyte ID	Analyte Name	Initial Calibration			Initial Calibration Verification				Continuing Calibration			
							Percent Difference				Percent Difference		
			RRF	%RSD	Corr Co	RRF	Rej Pt.	Lower	Upper	RRF	Rej Pt	Lower	Upper
8260B	156-60-5	TRANS-1,2-DICHLOROETHENE											
	10061-02-6	TRANS-1,3-DICHLOROPROPENE											
	79-01-6	TRICHLOROETHENE											
	75-69-4	TRICHLOROFLUOROMETHANE											
	108-05-4	VINYL ACETATE											
	75-01-4	VINYL CHLORIDE											
8260B SIM	96-18-4	1,2,3-TRICHLOROPROPANE											
	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE											
	106-93-4	1,2-DIBROMOETHANE											
RSK175	1333-74-0	HYDROGEN											
	74-82-8	METHANE											

Library Validation Criteria: Inorganic Instrument Calibration

Library Group ID : ECO_BrownandBryant_121114 All Inorganic methods

			Initial Calibration			Initial Calibration Verification					Continuing Calibration Verification				
							Percent Recovery					Percent Recovery			
Analytical Method	**Client Analyte ID**	**Analyte Name**	**RRF**	**%RSD**	**Corr Co**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**	**RRF**	**Lower Rej Pt**	**Lower Limit**	**Upper Limit**	**Upper Rej Pt**
300.0	17778-88-0	Nitrate-N													
	14797-65-0	Nitrite-N													
	14808-79-8	SULFATE													
415.1	E-10195	TOC													
SM4500S2D	18496-25-8	SULFIDE													

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z

Reason Code Library: Example 2

Category	Code
Low Bias Indicator	L
High Bias Indicator	H
Temperature	1
Holding Times	
Sampling to Analysis	3
Sampling to Extraction	4
Extaction to Analysis	5
Method Blanks	6
Surrogate Recovery	7
MS/MSD	
MS/MSD Recovery	8
MS/MSD RPD	9
LCS	
LCS Recovery	10
LCS RPD	11
Reporting Limits	12
Field QC	
Field Blank	13
Equipment Blank	14
Trip Blank	15
Field Duplicate	16

Category	Code
Initial Calibration	
Initial Calibration RRF	17
Initial Calibration RSD	18
Initial Calibration Cor. Coef	19
Initial Calibration Verification	
Initial Calibration Verificaton RRF	20
Initial CalibrationVerification %D	21
Continuing Calibration	
Continuing Calibraiton RRF	22
Continuing Calibration %D	23
GC/MS Tune	
GC/MS Tune for Initial Calibration	24
GC/MS Tune for Continuing Calibration	25
Laboratory Duplicate	26

EDD Non-Conformance Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	2478
0005	0
0006	0
0007	3
0008	0
0009	0
0010	5
0011	0
0012	12
0013	0
0014	0
0015	0
0016	0
0017	0
0018	0
0019	0

Type	Count
0020	0
0021	0
0022	0
0023	0
0024	0
0025	2
0026	0
0027	0
0028	0
0029	0
0030	5
0031	0
0032	0
0033	0
0034	0
0035	0
0036	0
0037	0
0038	0

Total : 2,505

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO01D25 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO67E03 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO01D25 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch ICD021W in method 300.0.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO67E03 in method 8260B.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing LCS/LCSD spike compounds	0012	Nitrate-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICD021WC, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	SULFATE is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICD017WL, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	SULFATE is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICD017WC, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICD021WL, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrite-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICD021WC, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing LCS/LCSD spike compounds	0012	Nitrate-N is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICD021WL, Matrix "AQ", and analyzed by method 300.0, but this analyte is identified as a spike for this method and matrix in the project library.	
A1		Missing MS spike compound	0012	Nitrite-N is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D157-17IM, Analysis Type DL, analyzed by method 300.0.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing MS spike compound	0012	Nitrate-N is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D157-17M, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MS spike compound	0012	SULFATE is not reported as a spiked analyte in the Matrix Spike records identified as Lab Sample ID: D157-17M, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	Nitrate-N is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D157-17S, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	SULFATE is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D157-17S, Analysis Type RES, analyzed by method 300.0.	
A1		Missing MSD spike compound	0012	Nitrite-N is not reported as a spiked analyte in the Matrix Spike Duplicate records identified as Lab Sample ID: D157-17IS, Analysis Type DL, analyzed by method 300.0.	
A1		Missing records	0007	Client Sample ID ICD021WB in Table A1 is missing a result record for CAS No. 17778-88-0 (Nitrate-N), by Method 300.0. Either the record is missing or one or more field elements are entered incorrectly.	
A1		Missing records	0007	Client Sample ID ICD017WB in Table A1 is missing a result record for CAS No. 14808-79-8 (SULFATE), by Method 300.0. Either the record is missing or one or more field elements are entered incorrectly.	
A1		Missing records	0007	Client Sample ID ICD021WB in Table A1 is missing a result record for CAS No. 14797-65-0 (Nitrite-N), by Method 300.0. Either the record is missing or one or more field elements are entered incorrectly.	
A1		Missing surrogate record	0010	Surrogate 2,4-DCPAA with CAS No. 19719-28-9 specified in the project library for Method 8151 is not reported for Lab Sample ID D157-12I, Method 8151, and Analysis Type DL.	
A1		Missing surrogate record	0010	Surrogate 2,4-DCPAA with CAS No. 19719-28-9 specified in the project library for Method 8151 is not reported for Lab Sample ID D157-11I, Method 8151, and Analysis Type DL.	
A1		Missing surrogate record	0010	Surrogate 2,4-DCPAA with CAS No. 19719-28-9 specified in the project library for Method 8151 is not reported for Lab Sample ID D157-07I, Method 8151, and Analysis Type DL.	
A1		Missing surrogate record	0010	Surrogate 2,4-DCPAA with CAS No. 19719-28-9 specified in the project library for Method 8151 is not reported for Lab Sample ID D157-05I, Method 8151, and Analysis Type DL.	
A1		Missing surrogate record	0010	Surrogate 2,4-DCPAA with CAS No. 19719-28-9 specified in the project library for Method 8151 is not reported for Lab Sample ID D157-13I, Method 8151, and Analysis Type DL.	
A1	1	Reporting_Limit_Type	0004	RL	
A1	2	Reporting_Limit_Type	0004	RL	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	3	Reporting_Limit_Type	0004 RL		
A1	4	Reporting_Limit_Type	0004 RL		
A1	5	Reporting_Limit_Type	0004 RL		
A1	6	Reporting_Limit_Type	0004 RL		
A1	7	Reporting_Limit_Type	0004 RL		
A1	8	Reporting_Limit_Type	0004 RL		
A1	9	Reporting_Limit_Type	0004 RL		
A1	10	Reporting_Limit_Type	0004 RL		
A1	11	Reporting_Limit_Type	0004 RL		
A1	12	Reporting_Limit_Type	0004 RL		
A1	13	Reporting_Limit_Type	0004 RL		
A1	14	Reporting_Limit_Type	0004 RL		
A1	15	Reporting_Limit_Type	0004 RL		
A1	16	Reporting_Limit_Type	0004 RL		
A1	17	Reporting_Limit_Type	0004 RL		
A1	18	Reporting_Limit_Type	0004 RL		
A1	19	Reporting_Limit_Type	0004 RL		
A1	20	Reporting_Limit_Type	0004 RL		
A1	21	Reporting_Limit_Type	0004 RL		
A1	22	Reporting_Limit_Type	0004 RL		
A1	23	Reporting_Limit_Type	0004 RL		
A1	24	Reporting_Limit_Type	0004 RL		
A1	25	Reporting_Limit_Type	0004 RL		
A1	26	Reporting_Limit_Type	0004 RL		
A1	27	Reporting_Limit_Type	0004 RL		
A1	28	Reporting_Limit_Type	0004 RL		
A1	29	Reporting_Limit_Type	0004 RL		
A1	30	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	31	Reporting_Limit_Type	0004	RL		
A1	32	Reporting_Limit_Type	0004	RL		
A1	33	Reporting_Limit_Type	0004	RL		
A1	34	Reporting_Limit_Type	0004	RL		
A1	35	Reporting_Limit_Type	0004	RL		
A1	36	Reporting_Limit_Type	0004	RL		
A1	37	Reporting_Limit_Type	0004	RL		
A1	38	Reporting_Limit_Type	0004	RL		
A1	39	Reporting_Limit_Type	0004	RL		
A1	40	Reporting_Limit_Type	0004	RL		
A1	41	Reporting_Limit_Type	0004	RL		
A1	42	Reporting_Limit_Type	0004	RL		
A1	43	Reporting_Limit_Type	0004	RL		
A1	44	Reporting_Limit_Type	0004	RL		
A1	45	Reporting_Limit_Type	0004	RL		
A1	46	Reporting_Limit_Type	0004	RL		
A1	47	Reporting_Limit_Type	0004	RL		
A1	48	Reporting_Limit_Type	0004	RL		
A1	49	Reporting_Limit_Type	0004	RL		
A1	50	Reporting_Limit_Type	0004	RL		
A1	51	Reporting_Limit_Type	0004	RL		
A1	52	Reporting_Limit_Type	0004	RL		
A1	53	Reporting_Limit_Type	0004	RL		
A1	54	Reporting_Limit_Type	0004	RL		
A1	55	Reporting_Limit_Type	0004	RL		
A1	56	Reporting_Limit_Type	0004	RL		
A1	57	Reporting_Limit_Type	0004	RL		
A1	58	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	59	Reporting_Limit_Type	0004	RL		
A1	60	Reporting_Limit_Type	0004	RL		
A1	61	Reporting_Limit_Type	0004	RL		
A1	62	Reporting_Limit_Type	0004	RL		
A1	63	Reporting_Limit_Type	0004	RL		
A1	64	Reporting_Limit_Type	0004	RL		
A1	65	Reporting_Limit_Type	0004	RL		
A1	66	Reporting_Limit_Type	0004	RL		
A1	67	Reporting_Limit_Type	0004	RL		
A1	68	Reporting_Limit_Type	0004	RL		
A1	69	Reporting_Limit_Type	0004	RL		
A1	70	Reporting_Limit_Type	0004	RL		
A1	71	Reporting_Limit_Type	0004	RL		
A1	72	Reporting_Limit_Type	0004	RL		
A1	73	Reporting_Limit_Type	0004	RL		
A1	74	Reporting_Limit_Type	0004	RL		
A1	75	Reporting_Limit_Type	0004	RL		
A1	76	Reporting_Limit_Type	0004	RL		
A1	77	Reporting_Limit_Type	0004	RL		
A1	78	Reporting_Limit_Type	0004	RL		
A1	79	Reporting_Limit_Type	0004	RL		
A1	80	Reporting_Limit_Type	0004	RL		
A1	81	Reporting_Limit_Type	0004	RL		
A1	82	Reporting_Limit_Type	0004	RL		
A1	83	Reporting_Limit_Type	0004	RL		
A1	84	Reporting_Limit_Type	0004	RL		
A1	85	Reporting_Limit_Type	0004	RL		
A1	86	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
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Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	87	Reporting_Limit_Type	0004	RL		
A1	88	Reporting_Limit_Type	0004	RL		
A1	89	Reporting_Limit_Type	0004	RL		
A1	90	Reporting_Limit_Type	0004	RL		
A1	91	Reporting_Limit_Type	0004	RL		
A1	92	Reporting_Limit_Type	0004	RL		
A1	93	Reporting_Limit_Type	0004	RL		
A1	94	Reporting_Limit_Type	0004	RL		
A1	95	Reporting_Limit_Type	0004	RL		
A1	96	Reporting_Limit_Type	0004	RL		
A1	97	Reporting_Limit_Type	0004	RL		
A1	98	Reporting_Limit_Type	0004	RL		
A1	99	Reporting_Limit_Type	0004	RL		
A1	100	Reporting_Limit_Type	0004	RL		
A1	101	Reporting_Limit_Type	0004	RL		
A1	102	Reporting_Limit_Type	0004	RL		
A1	103	Reporting_Limit_Type	0004	RL		
A1	104	Reporting_Limit_Type	0004	RL		
A1	105	Reporting_Limit_Type	0004	RL		
A1	106	Reporting_Limit_Type	0004	RL		
A1	107	Reporting_Limit_Type	0004	RL		
A1	108	Reporting_Limit_Type	0004	RL		
A1	109	Reporting_Limit_Type	0004	RL		
A1	110	Reporting_Limit_Type	0004	RL		
A1	111	Reporting_Limit_Type	0004	RL		
A1	112	Reporting_Limit_Type	0004	RL		
A1	113	Reporting_Limit_Type	0004	RL		
A1	114	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	115	Reporting_Limit_Type	0004	RL		
A1	116	Reporting_Limit_Type	0004	RL		
A1	117	Reporting_Limit_Type	0004	RL		
A1	118	Reporting_Limit_Type	0004	RL		
A1	119	Reporting_Limit_Type	0004	RL		
A1	120	Reporting_Limit_Type	0004	RL		
A1	121	Reporting_Limit_Type	0004	RL		
A1	122	Reporting_Limit_Type	0004	RL		
A1	123	Reporting_Limit_Type	0004	RL		
A1	124	Reporting_Limit_Type	0004	RL		
A1	125	Reporting_Limit_Type	0004	RL		
A1	126	Reporting_Limit_Type	0004	RL		
A1	127	Reporting_Limit_Type	0004	RL		
A1	128	Reporting_Limit_Type	0004	RL		
A1	129	Reporting_Limit_Type	0004	RL		
A1	130	Reporting_Limit_Type	0004	RL		
A1	131	Reporting_Limit_Type	0004	RL		
A1	132	Reporting_Limit_Type	0004	RL		
A1	133	Reporting_Limit_Type	0004	RL		
A1	134	Reporting_Limit_Type	0004	RL		
A1	135	Reporting_Limit_Type	0004	RL		
A1	136	Reporting_Limit_Type	0004	RL		
A1	137	Reporting_Limit_Type	0004	RL		
A1	138	Reporting_Limit_Type	0004	RL		
A1	139	Reporting_Limit_Type	0004	RL		
A1	140	Reporting_Limit_Type	0004	RL		
A1	141	Reporting_Limit_Type	0004	RL		
A1	142	Reporting_Limit_Type	0004	RL		

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Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	143	Reporting_Limit_Type	0004	RL		
A1	144	Reporting_Limit_Type	0004	RL		
A1	145	Reporting_Limit_Type	0004	RL		
A1	146	Reporting_Limit_Type	0004	RL		
A1	147	Reporting_Limit_Type	0004	RL		
A1	148	Reporting_Limit_Type	0004	RL		
A1	149	Reporting_Limit_Type	0004	RL		
A1	150	Reporting_Limit_Type	0004	RL		
A1	151	Reporting_Limit_Type	0004	RL		
A1	152	Reporting_Limit_Type	0004	RL		
A1	153	Reporting_Limit_Type	0004	RL		
A1	154	Reporting_Limit_Type	0004	RL		
A1	155	Reporting_Limit_Type	0004	RL		
A1	156	Reporting_Limit_Type	0004	RL		
A1	157	Reporting_Limit_Type	0004	RL		
A1	158	Reporting_Limit_Type	0004	RL		
A1	159	Reporting_Limit_Type	0004	RL		
A1	160	Reporting_Limit_Type	0004	RL		
A1	161	Reporting_Limit_Type	0004	RL		
A1	162	Reporting_Limit_Type	0004	RL		
A1	163	Reporting_Limit_Type	0004	RL		
A1	164	Reporting_Limit_Type	0004	RL		
A1	165	Reporting_Limit_Type	0004	RL		
A1	166	Reporting_Limit_Type	0004	RL		
A1	167	Reporting_Limit_Type	0004	RL		
A1	168	Reporting_Limit_Type	0004	RL		
A1	169	Reporting_Limit_Type	0004	RL		
A1	170	Reporting_Limit_Type	0004	RL		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	171	Reporting_Limit_Type	0004	RL		
A1	172	Reporting_Limit_Type	0004	RL		
A1	173	Reporting_Limit_Type	0004	RL		
A1	174	Reporting_Limit_Type	0004	RL		
A1	175	Reporting_Limit_Type	0004	RL		
A1	176	Reporting_Limit_Type	0004	RL		
A1	177	Reporting_Limit_Type	0004	RL		
A1	178	Reporting_Limit_Type	0004	RL		
A1	179	Reporting_Limit_Type	0004	RL		
A1	180	Reporting_Limit_Type	0004	RL		
A1	181	Reporting_Limit_Type	0004	RL		
A1	182	Reporting_Limit_Type	0004	RL		
A1	183	Reporting_Limit_Type	0004	RL		
A1	184	Reporting_Limit_Type	0004	RL		
A1	185	Reporting_Limit_Type	0004	RL		
A1	186	Reporting_Limit_Type	0004	RL		
A1	187	Reporting_Limit_Type	0004	RL		
A1	188	Reporting_Limit_Type	0004	RL		
A1	189	Reporting_Limit_Type	0004	RL		
A1	190	Reporting_Limit_Type	0004	RL		
A1	191	Reporting_Limit_Type	0004	RL		
A1	192	Reporting_Limit_Type	0004	RL		
A1	193	Reporting_Limit_Type	0004	RL		
A1	194	Reporting_Limit_Type	0004	RL		
A1	195	Reporting_Limit_Type	0004	RL		
A1	196	Reporting_Limit_Type	0004	RL		
A1	197	Reporting_Limit_Type	0004	RL		
A1	198	Reporting_Limit_Type	0004	RL		

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Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	199	Reporting_Limit_Type	0004	RL		
A1	200	Reporting_Limit_Type	0004	RL		
A1	201	Reporting_Limit_Type	0004	RL		
A1	202	Reporting_Limit_Type	0004	RL		
A1	203	Reporting_Limit_Type	0004	RL		
A1	204	Reporting_Limit_Type	0004	RL		
A1	205	Reporting_Limit_Type	0004	RL		
A1	206	Reporting_Limit_Type	0004	RL		
A1	207	Reporting_Limit_Type	0004	RL		
A1	208	Reporting_Limit_Type	0004	RL		
A1	209	Reporting_Limit_Type	0004	RL		
A1	210	Reporting_Limit_Type	0004	RL		
A1	211	Reporting_Limit_Type	0004	RL		
A1	212	Reporting_Limit_Type	0004	RL		
A1	213	Reporting_Limit_Type	0004	RL		
A1	214	Reporting_Limit_Type	0004	RL		
A1	215	Reporting_Limit_Type	0004	RL		
A1	216	Reporting_Limit_Type	0004	RL		
A1	217	Reporting_Limit_Type	0004	RL		
A1	218	Reporting_Limit_Type	0004	RL		
A1	219	Reporting_Limit_Type	0004	RL		
A1	220	Reporting_Limit_Type	0004	RL		
A1	221	Reporting_Limit_Type	0004	RL		
A1	222	Reporting_Limit_Type	0004	RL		
A1	223	Reporting_Limit_Type	0004	RL		
A1	224	Reporting_Limit_Type	0004	RL		
A1	225	Reporting_Limit_Type	0004	RL		
A1	226	Reporting_Limit_Type	0004	RL		

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Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	227	Reporting_Limit_Type	0004	RL		
A1	228	Reporting_Limit_Type	0004	RL		
A1	229	Reporting_Limit_Type	0004	RL		
A1	230	Reporting_Limit_Type	0004	RL		
A1	231	Reporting_Limit_Type	0004	RL		
A1	232	Reporting_Limit_Type	0004	RL		
A1	233	Reporting_Limit_Type	0004	RL		
A1	234	Reporting_Limit_Type	0004	RL		
A1	235	Reporting_Limit_Type	0004	RL		
A1	236	Reporting_Limit_Type	0004	RL		
A1	237	Reporting_Limit_Type	0004	RL		
A1	238	Reporting_Limit_Type	0004	RL		
A1	239	Reporting_Limit_Type	0004	RL		
A1	240	Reporting_Limit_Type	0004	RL		
A1	241	Reporting_Limit_Type	0004	RL		
A1	242	Reporting_Limit_Type	0004	RL		
A1	243	Reporting_Limit_Type	0004	RL		
A1	244	Reporting_Limit_Type	0004	RL		
A1	245	Reporting_Limit_Type	0004	RL		
A1	246	Reporting_Limit_Type	0004	RL		
A1	247	Reporting_Limit_Type	0004	RL		
A1	248	Reporting_Limit_Type	0004	RL		
A1	249	Reporting_Limit_Type	0004	RL		
A1	250	Reporting_Limit_Type	0004	RL		
A1	251	Reporting_Limit_Type	0004	RL		
A1	252	Reporting_Limit_Type	0004	RL		
A1	253	Reporting_Limit_Type	0004	RL		
A1	254	Reporting_Limit_Type	0004	RL		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	255	Reporting_Limit_Type	0004	RL		
A1	256	Reporting_Limit_Type	0004	RL		
A1	257	Reporting_Limit_Type	0004	RL		
A1	258	Reporting_Limit_Type	0004	RL		
A1	259	Reporting_Limit_Type	0004	RL		
A1	260	Reporting_Limit_Type	0004	RL		
A1	261	Reporting_Limit_Type	0004	RL		
A1	262	Reporting_Limit_Type	0004	RL		
A1	263	Reporting_Limit_Type	0004	RL		
A1	264	Reporting_Limit_Type	0004	RL		
A1	265	Reporting_Limit_Type	0004	RL		
A1	266	Reporting_Limit_Type	0004	RL		
A1	267	Reporting_Limit_Type	0004	RL		
A1	268	Reporting_Limit_Type	0004	RL		
A1	269	Reporting_Limit_Type	0004	RL		
A1	270	Reporting_Limit_Type	0004	RL		
A1	271	Reporting_Limit_Type	0004	RL		
A1	272	Reporting_Limit_Type	0004	RL		
A1	273	Reporting_Limit_Type	0004	RL		
A1	274	Reporting_Limit_Type	0004	RL		
A1	275	Reporting_Limit_Type	0004	RL		
A1	276	Reporting_Limit_Type	0004	RL		
A1	277	Reporting_Limit_Type	0004	RL		
A1	278	Reporting_Limit_Type	0004	RL		
A1	279	Reporting_Limit_Type	0004	RL		
A1	280	Reporting_Limit_Type	0004	RL		
A1	281	Reporting_Limit_Type	0004	RL		
A1	282	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	283	Reporting_Limit_Type	0004	RL		
A1	284	Reporting_Limit_Type	0004	RL		
A1	285	Reporting_Limit_Type	0004	RL		
A1	286	Reporting_Limit_Type	0004	RL		
A1	287	Reporting_Limit_Type	0004	RL		
A1	288	Reporting_Limit_Type	0004	RL		
A1	289	Reporting_Limit_Type	0004	RL		
A1	290	Reporting_Limit_Type	0004	RL		
A1	291	Reporting_Limit_Type	0004	RL		
A1	292	Reporting_Limit_Type	0004	RL		
A1	293	Reporting_Limit_Type	0004	RL		
A1	294	Reporting_Limit_Type	0004	RL		
A1	295	Reporting_Limit_Type	0004	RL		
A1	296	Reporting_Limit_Type	0004	RL		
A1	297	Reporting_Limit_Type	0004	RL		
A1	298	Reporting_Limit_Type	0004	RL		
A1	299	Reporting_Limit_Type	0004	RL		
A1	300	Reporting_Limit_Type	0004	RL		
A1	301	Reporting_Limit_Type	0004	RL		
A1	302	Reporting_Limit_Type	0004	RL		
A1	303	Reporting_Limit_Type	0004	RL		
A1	304	Reporting_Limit_Type	0004	RL		
A1	305	Reporting_Limit_Type	0004	RL		
A1	306	Reporting_Limit_Type	0004	RL		
A1	307	Reporting_Limit_Type	0004	RL		
A1	308	Reporting_Limit_Type	0004	RL		
A1	309	Reporting_Limit_Type	0004	RL		
A1	310	Reporting_Limit_Type	0004	RL		

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Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	311	Reporting_Limit_Type	0004	RL		
A1	312	Reporting_Limit_Type	0004	RL		
A1	313	Reporting_Limit_Type	0004	RL		
A1	314	Reporting_Limit_Type	0004	RL		
A1	315	Reporting_Limit_Type	0004	RL		
A1	316	Reporting_Limit_Type	0004	RL		
A1	317	Reporting_Limit_Type	0004	RL		
A1	318	Reporting_Limit_Type	0004	RL		
A1	319	Reporting_Limit_Type	0004	RL		
A1	320	Reporting_Limit_Type	0004	RL		
A1	321	Reporting_Limit_Type	0004	RL		
A1	322	Reporting_Limit_Type	0004	RL		
A1	323	Reporting_Limit_Type	0004	RL		
A1	324	Reporting_Limit_Type	0004	RL		
A1	325	Reporting_Limit_Type	0004	RL		
A1	326	Reporting_Limit_Type	0004	RL		
A1	327	Reporting_Limit_Type	0004	RL		
A1	328	Reporting_Limit_Type	0004	RL		
A1	329	Reporting_Limit_Type	0004	RL		
A1	330	Reporting_Limit_Type	0004	RL		
A1	331	Reporting_Limit_Type	0004	RL		
A1	332	Reporting_Limit_Type	0004	RL		
A1	333	Reporting_Limit_Type	0004	RL		
A1	334	Reporting_Limit_Type	0004	RL		
A1	335	Reporting_Limit_Type	0004	RL		
A1	336	Reporting_Limit_Type	0004	RL		
A1	337	Reporting_Limit_Type	0004	RL		
A1	338	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	339	Reporting_Limit_Type	0004	RL		
A1	340	Reporting_Limit_Type	0004	RL		
A1	341	Reporting_Limit_Type	0004	RL		
A1	342	Reporting_Limit_Type	0004	RL		
A1	343	Reporting_Limit_Type	0004	RL		
A1	344	Reporting_Limit_Type	0004	RL		
A1	345	Reporting_Limit_Type	0004	RL		
A1	346	Reporting_Limit_Type	0004	RL		
A1	347	Reporting_Limit_Type	0004	RL		
A1	348	Reporting_Limit_Type	0004	RL		
A1	349	Reporting_Limit_Type	0004	RL		
A1	350	Reporting_Limit_Type	0004	RL		
A1	351	Reporting_Limit_Type	0004	RL		
A1	352	Reporting_Limit_Type	0004	RL		
A1	353	Reporting_Limit_Type	0004	RL		
A1	354	Reporting_Limit_Type	0004	RL		
A1	355	Reporting_Limit_Type	0004	RL		
A1	356	Reporting_Limit_Type	0004	RL		
A1	357	Reporting_Limit_Type	0004	RL		
A1	358	Reporting_Limit_Type	0004	RL		
A1	359	Reporting_Limit_Type	0004	RL		
A1	360	Reporting_Limit_Type	0004	RL		
A1	361	Reporting_Limit_Type	0004	RL		
A1	362	Reporting_Limit_Type	0004	RL		
A1	363	Reporting_Limit_Type	0004	RL		
A1	364	Reporting_Limit_Type	0004	RL		
A1	365	Reporting_Limit_Type	0004	RL		
A1	366	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	367	Reporting_Limit_Type	0004	RL		
A1	368	Reporting_Limit_Type	0004	RL		
A1	369	Reporting_Limit_Type	0004	RL		
A1	370	Reporting_Limit_Type	0004	RL		
A1	371	Reporting_Limit_Type	0004	RL		
A1	372	Reporting_Limit_Type	0004	RL		
A1	373	Reporting_Limit_Type	0004	RL		
A1	374	Reporting_Limit_Type	0004	RL		
A1	375	Reporting_Limit_Type	0004	RL		
A1	376	Reporting_Limit_Type	0004	RL		
A1	377	Reporting_Limit_Type	0004	RL		
A1	378	Reporting_Limit_Type	0004	RL		
A1	379	Reporting_Limit_Type	0004	RL		
A1	380	Reporting_Limit_Type	0004	RL		
A1	381	Reporting_Limit_Type	0004	RL		
A1	382	Reporting_Limit_Type	0004	RL		
A1	383	Reporting_Limit_Type	0004	RL		
A1	384	Reporting_Limit_Type	0004	RL		
A1	385	Reporting_Limit_Type	0004	RL		
A1	386	Reporting_Limit_Type	0004	RL		
A1	387	Reporting_Limit_Type	0004	RL		
A1	388	Reporting_Limit_Type	0004	RL		
A1	389	Reporting_Limit_Type	0004	RL		
A1	390	Reporting_Limit_Type	0004	RL		
A1	391	Reporting_Limit_Type	0004	RL		
A1	392	Reporting_Limit_Type	0004	RL		
A1	393	Reporting_Limit_Type	0004	RL		
A1	394	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	395	Reporting_Limit_Type	0004	RL		
A1	396	Reporting_Limit_Type	0004	RL		
A1	397	Reporting_Limit_Type	0004	RL		
A1	398	Reporting_Limit_Type	0004	RL		
A1	399	Reporting_Limit_Type	0004	RL		
A1	400	Reporting_Limit_Type	0004	RL		
A1	401	Reporting_Limit_Type	0004	RL		
A1	402	Reporting_Limit_Type	0004	RL		
A1	403	Reporting_Limit_Type	0004	RL		
A1	404	Reporting_Limit_Type	0004	RL		
A1	405	Reporting_Limit_Type	0004	RL		
A1	406	Reporting_Limit_Type	0004	RL		
A1	407	Reporting_Limit_Type	0004	RL		
A1	408	Reporting_Limit_Type	0004	RL		
A1	409	Reporting_Limit_Type	0004	RL		
A1	410	Reporting_Limit_Type	0004	RL		
A1	411	Reporting_Limit_Type	0004	RL		
A1	412	Reporting_Limit_Type	0004	RL		
A1	413	Reporting_Limit_Type	0004	RL		
A1	414	Reporting_Limit_Type	0004	RL		
A1	415	Reporting_Limit_Type	0004	RL		
A1	416	Reporting_Limit_Type	0004	RL		
A1	417	Reporting_Limit_Type	0004	RL		
A1	418	Reporting_Limit_Type	0004	RL		
A1	419	Reporting_Limit_Type	0004	RL		
A1	420	Reporting_Limit_Type	0004	RL		
A1	421	Reporting_Limit_Type	0004	RL		
A1	422	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	423	Reporting_Limit_Type	0004	RL		
A1	424	Reporting_Limit_Type	0004	RL		
A1	425	Reporting_Limit_Type	0004	RL		
A1	426	Reporting_Limit_Type	0004	RL		
A1	427	Reporting_Limit_Type	0004	RL		
A1	428	Reporting_Limit_Type	0004	RL		
A1	429	Reporting_Limit_Type	0004	RL		
A1	430	Reporting_Limit_Type	0004	RL		
A1	431	Reporting_Limit_Type	0004	RL		
A1	432	Reporting_Limit_Type	0004	RL		
A1	433	Reporting_Limit_Type	0004	RL		
A1	434	Reporting_Limit_Type	0004	RL		
A1	435	Reporting_Limit_Type	0004	RL		
A1	436	Reporting_Limit_Type	0004	RL		
A1	437	Reporting_Limit_Type	0004	RL		
A1	438	Reporting_Limit_Type	0004	RL		
A1	439	Reporting_Limit_Type	0004	RL		
A1	440	Reporting_Limit_Type	0004	RL		
A1	441	Reporting_Limit_Type	0004	RL		
A1	442	Reporting_Limit_Type	0004	RL		
A1	443	Reporting_Limit_Type	0004	RL		
A1	444	Reporting_Limit_Type	0004	RL		
A1	445	Reporting_Limit_Type	0004	RL		
A1	446	Reporting_Limit_Type	0004	RL		
A1	447	Reporting_Limit_Type	0004	RL		
A1	448	Reporting_Limit_Type	0004	RL		
A1	449	Reporting_Limit_Type	0004	RL		
A1	450	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	451	Reporting_Limit_Type	0004	RL		
A1	452	Reporting_Limit_Type	0004	RL		
A1	453	Reporting_Limit_Type	0004	RL		
A1	454	Reporting_Limit_Type	0004	RL		
A1	455	Reporting_Limit_Type	0004	RL		
A1	456	Reporting_Limit_Type	0004	RL		
A1	457	Reporting_Limit_Type	0004	RL		
A1	458	Reporting_Limit_Type	0004	RL		
A1	459	Reporting_Limit_Type	0004	RL		
A1	460	Reporting_Limit_Type	0004	RL		
A1	461	Reporting_Limit_Type	0004	RL		
A1	462	Reporting_Limit_Type	0004	RL		
A1	463	Reporting_Limit_Type	0004	RL		
A1	464	Reporting_Limit_Type	0004	RL		
A1	465	Reporting_Limit_Type	0004	RL		
A1	466	Reporting_Limit_Type	0004	RL		
A1	467	Reporting_Limit_Type	0004	RL		
A1	468	Reporting_Limit_Type	0004	RL		
A1	469	Reporting_Limit_Type	0004	RL		
A1	470	Reporting_Limit_Type	0004	RL		
A1	471	Reporting_Limit_Type	0004	RL		
A1	472	Reporting_Limit_Type	0004	RL		
A1	473	Reporting_Limit_Type	0004	RL		
A1	474	Reporting_Limit_Type	0004	RL		
A1	475	Reporting_Limit_Type	0004	RL		
A1	476	Reporting_Limit_Type	0004	RL		
A1	477	Reporting_Limit_Type	0004	RL		
A1	478	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	479	Reporting_Limit_Type	0004 RL		
A1	480	Reporting_Limit_Type	0004 RL		
A1	481	Reporting_Limit_Type	0004 RL		
A1	482	Reporting_Limit_Type	0004 RL		
A1	483	Reporting_Limit_Type	0004 RL		
A1	484	Reporting_Limit_Type	0004 RL		
A1	485	Reporting_Limit_Type	0004 RL		
A1	486	Reporting_Limit_Type	0004 RL		
A1	487	Reporting_Limit_Type	0004 RL		
A1	488	Reporting_Limit_Type	0004 RL		
A1	489	Reporting_Limit_Type	0004 RL		
A1	490	Reporting_Limit_Type	0004 RL		
A1	491	Reporting_Limit_Type	0004 RL		
A1	492	Reporting_Limit_Type	0004 RL		
A1	493	Reporting_Limit_Type	0004 RL		
A1	494	Reporting_Limit_Type	0004 RL		
A1	495	Reporting_Limit_Type	0004 RL		
A1	496	Reporting_Limit_Type	0004 RL		
A1	497	Reporting_Limit_Type	0004 RL		
A1	498	Reporting_Limit_Type	0004 RL		
A1	499	Reporting_Limit_Type	0004 RL		
A1	500	Reporting_Limit_Type	0004 RL		
A1	501	Reporting_Limit_Type	0004 RL		
A1	502	Reporting_Limit_Type	0004 RL		
A1	503	Reporting_Limit_Type	0004 RL		
A1	504	Reporting_Limit_Type	0004 RL		
A1	505	Reporting_Limit_Type	0004 RL		
A1	506	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	507	Reporting_Limit_Type	0004	RL		
A1	508	Reporting_Limit_Type	0004	RL		
A1	509	Reporting_Limit_Type	0004	RL		
A1	510	Reporting_Limit_Type	0004	RL		
A1	511	Reporting_Limit_Type	0004	RL		
A1	512	Reporting_Limit_Type	0004	RL		
A1	513	Reporting_Limit_Type	0004	RL		
A1	514	Reporting_Limit_Type	0004	RL		
A1	515	Reporting_Limit_Type	0004	RL		
A1	516	Reporting_Limit_Type	0004	RL		
A1	517	Reporting_Limit_Type	0004	RL		
A1	518	Reporting_Limit_Type	0004	RL		
A1	519	Reporting_Limit_Type	0004	RL		
A1	520	Reporting_Limit_Type	0004	RL		
A1	521	Reporting_Limit_Type	0004	RL		
A1	522	Reporting_Limit_Type	0004	RL		
A1	523	Reporting_Limit_Type	0004	RL		
A1	524	Reporting_Limit_Type	0004	RL		
A1	525	Reporting_Limit_Type	0004	RL		
A1	526	Reporting_Limit_Type	0004	RL		
A1	527	Reporting_Limit_Type	0004	RL		
A1	528	Reporting_Limit_Type	0004	RL		
A1	529	Reporting_Limit_Type	0004	RL		
A1	530	Reporting_Limit_Type	0004	RL		
A1	531	Reporting_Limit_Type	0004	RL		
A1	532	Reporting_Limit_Type	0004	RL		
A1	533	Reporting_Limit_Type	0004	RL		
A1	534	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	535	Reporting_Limit_Type	0004	RL		
A1	536	Reporting_Limit_Type	0004	RL		
A1	537	Reporting_Limit_Type	0004	RL		
A1	538	Reporting_Limit_Type	0004	RL		
A1	539	Reporting_Limit_Type	0004	RL		
A1	540	Reporting_Limit_Type	0004	RL		
A1	541	Reporting_Limit_Type	0004	RL		
A1	542	Reporting_Limit_Type	0004	RL		
A1	543	Reporting_Limit_Type	0004	RL		
A1	544	Reporting_Limit_Type	0004	RL		
A1	545	Reporting_Limit_Type	0004	RL		
A1	546	Reporting_Limit_Type	0004	RL		
A1	547	Reporting_Limit_Type	0004	RL		
A1	548	Reporting_Limit_Type	0004	RL		
A1	549	Reporting_Limit_Type	0004	RL		
A1	550	Reporting_Limit_Type	0004	RL		
A1	551	Reporting_Limit_Type	0004	RL		
A1	552	Reporting_Limit_Type	0004	RL		
A1	553	Reporting_Limit_Type	0004	RL		
A1	554	Reporting_Limit_Type	0004	RL		
A1	555	Reporting_Limit_Type	0004	RL		
A1	556	Reporting_Limit_Type	0004	RL		
A1	557	Reporting_Limit_Type	0004	RL		
A1	558	Reporting_Limit_Type	0004	RL		
A1	559	Reporting_Limit_Type	0004	RL		
A1	560	Reporting_Limit_Type	0004	RL		
A1	561	Reporting_Limit_Type	0004	RL		
A1	562	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	563	Reporting_Limit_Type	0004	RL		
A1	564	Reporting_Limit_Type	0004	RL		
A1	565	Reporting_Limit_Type	0004	RL		
A1	566	Reporting_Limit_Type	0004	RL		
A1	567	Reporting_Limit_Type	0004	RL		
A1	568	Reporting_Limit_Type	0004	RL		
A1	569	Reporting_Limit_Type	0004	RL		
A1	570	Reporting_Limit_Type	0004	RL		
A1	571	Reporting_Limit_Type	0004	RL		
A1	572	Reporting_Limit_Type	0004	RL		
A1	573	Reporting_Limit_Type	0004	RL		
A1	574	Reporting_Limit_Type	0004	RL		
A1	575	Reporting_Limit_Type	0004	RL		
A1	576	Reporting_Limit_Type	0004	RL		
A1	577	Reporting_Limit_Type	0004	RL		
A1	578	Reporting_Limit_Type	0004	RL		
A1	579	Reporting_Limit_Type	0004	RL		
A1	580	Reporting_Limit_Type	0004	RL		
A1	581	Reporting_Limit_Type	0004	RL		
A1	582	Reporting_Limit_Type	0004	RL		
A1	583	Reporting_Limit_Type	0004	RL		
A1	584	Reporting_Limit_Type	0004	RL		
A1	585	Reporting_Limit_Type	0004	RL		
A1	586	Reporting_Limit_Type	0004	RL		
A1	587	Reporting_Limit_Type	0004	RL		
A1	588	Reporting_Limit_Type	0004	RL		
A1	589	Reporting_Limit_Type	0004	RL		
A1	590	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	591	Reporting_Limit_Type	0004	RL		
A1	592	Reporting_Limit_Type	0004	RL		
A1	593	Reporting_Limit_Type	0004	RL		
A1	594	Reporting_Limit_Type	0004	RL		
A1	595	Reporting_Limit_Type	0004	RL		
A1	596	Reporting_Limit_Type	0004	RL		
A1	597	Reporting_Limit_Type	0004	RL		
A1	598	Reporting_Limit_Type	0004	RL		
A1	599	Reporting_Limit_Type	0004	RL		
A1	600	Reporting_Limit_Type	0004	RL		
A1	601	Reporting_Limit_Type	0004	RL		
A1	602	Reporting_Limit_Type	0004	RL		
A1	603	Reporting_Limit_Type	0004	RL		
A1	604	Reporting_Limit_Type	0004	RL		
A1	605	Reporting_Limit_Type	0004	RL		
A1	606	Reporting_Limit_Type	0004	RL		
A1	607	Reporting_Limit_Type	0004	RL		
A1	608	Reporting_Limit_Type	0004	RL		
A1	609	Reporting_Limit_Type	0004	RL		
A1	610	Reporting_Limit_Type	0004	RL		
A1	611	Reporting_Limit_Type	0004	RL		
A1	612	Reporting_Limit_Type	0004	RL		
A1	613	Reporting_Limit_Type	0004	RL		
A1	614	Reporting_Limit_Type	0004	RL		
A1	615	Reporting_Limit_Type	0004	RL		
A1	616	Reporting_Limit_Type	0004	RL		
A1	617	Reporting_Limit_Type	0004	RL		
A1	618	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	619	Reporting_Limit_Type	0004	RL		
A1	620	Reporting_Limit_Type	0004	RL		
A1	621	Reporting_Limit_Type	0004	RL		
A1	622	Reporting_Limit_Type	0004	RL		
A1	623	Reporting_Limit_Type	0004	RL		
A1	624	Reporting_Limit_Type	0004	RL		
A1	625	Reporting_Limit_Type	0004	RL		
A1	626	Reporting_Limit_Type	0004	RL		
A1	627	Reporting_Limit_Type	0004	RL		
A1	628	Reporting_Limit_Type	0004	RL		
A1	629	Reporting_Limit_Type	0004	RL		
A1	630	Reporting_Limit_Type	0004	RL		
A1	631	Reporting_Limit_Type	0004	RL		
A1	632	Reporting_Limit_Type	0004	RL		
A1	633	Reporting_Limit_Type	0004	RL		
A1	634	Reporting_Limit_Type	0004	RL		
A1	635	Reporting_Limit_Type	0004	RL		
A1	636	Reporting_Limit_Type	0004	RL		
A1	637	Reporting_Limit_Type	0004	RL		
A1	638	Reporting_Limit_Type	0004	RL		
A1	639	Reporting_Limit_Type	0004	RL		
A1	640	Reporting_Limit_Type	0004	RL		
A1	641	Reporting_Limit_Type	0004	RL		
A1	642	Reporting_Limit_Type	0004	RL		
A1	643	Reporting_Limit_Type	0004	RL		
A1	644	Reporting_Limit_Type	0004	RL		
A1	645	Reporting_Limit_Type	0004	RL		
A1	646	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	647	Reporting_Limit_Type	0004	RL		
A1	648	Reporting_Limit_Type	0004	RL		
A1	649	Reporting_Limit_Type	0004	RL		
A1	650	Reporting_Limit_Type	0004	RL		
A1	651	Reporting_Limit_Type	0004	RL		
A1	652	Reporting_Limit_Type	0004	RL		
A1	653	Reporting_Limit_Type	0004	RL		
A1	654	Reporting_Limit_Type	0004	RL		
A1	655	Reporting_Limit_Type	0004	RL		
A1	656	Reporting_Limit_Type	0004	RL		
A1	657	Reporting_Limit_Type	0004	RL		
A1	658	Reporting_Limit_Type	0004	RL		
A1	659	Reporting_Limit_Type	0004	RL		
A1	660	Reporting_Limit_Type	0004	RL		
A1	661	Reporting_Limit_Type	0004	RL		
A1	662	Reporting_Limit_Type	0004	RL		
A1	663	Reporting_Limit_Type	0004	RL		
A1	664	Reporting_Limit_Type	0004	RL		
A1	665	Reporting_Limit_Type	0004	RL		
A1	666	Reporting_Limit_Type	0004	RL		
A1	667	Reporting_Limit_Type	0004	RL		
A1	668	Reporting_Limit_Type	0004	RL		
A1	669	Reporting_Limit_Type	0004	RL		
A1	670	Reporting_Limit_Type	0004	RL		
A1	671	Reporting_Limit_Type	0004	RL		
A1	672	Reporting_Limit_Type	0004	RL		
A1	673	Reporting_Limit_Type	0004	RL		
A1	674	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	675	Reporting_Limit_Type	0004	RL		
A1	676	Reporting_Limit_Type	0004	RL		
A1	677	Reporting_Limit_Type	0004	RL		
A1	678	Reporting_Limit_Type	0004	RL		
A1	679	Reporting_Limit_Type	0004	RL		
A1	680	Reporting_Limit_Type	0004	RL		
A1	681	Reporting_Limit_Type	0004	RL		
A1	682	Reporting_Limit_Type	0004	RL		
A1	683	Reporting_Limit_Type	0004	RL		
A1	684	Reporting_Limit_Type	0004	RL		
A1	685	Reporting_Limit_Type	0004	RL		
A1	686	Reporting_Limit_Type	0004	RL		
A1	687	Reporting_Limit_Type	0004	RL		
A1	688	Reporting_Limit_Type	0004	RL		
A1	689	Reporting_Limit_Type	0004	RL		
A1	690	Reporting_Limit_Type	0004	RL		
A1	691	Reporting_Limit_Type	0004	RL		
A1	692	Reporting_Limit_Type	0004	RL		
A1	693	Reporting_Limit_Type	0004	RL		
A1	694	Reporting_Limit_Type	0004	RL		
A1	695	Reporting_Limit_Type	0004	RL		
A1	696	Reporting_Limit_Type	0004	RL		
A1	697	Reporting_Limit_Type	0004	RL		
A1	698	Reporting_Limit_Type	0004	RL		
A1	699	Reporting_Limit_Type	0004	RL		
A1	700	Reporting_Limit_Type	0004	RL		
A1	701	Reporting_Limit_Type	0004	RL		
A1	702	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	703	Reporting_Limit_Type	0004	RL		
A1	704	Reporting_Limit_Type	0004	RL		
A1	705	Reporting_Limit_Type	0004	RL		
A1	706	Reporting_Limit_Type	0004	RL		
A1	707	Reporting_Limit_Type	0004	RL		
A1	708	Reporting_Limit_Type	0004	RL		
A1	709	Reporting_Limit_Type	0004	RL		
A1	710	Reporting_Limit_Type	0004	RL		
A1	711	Reporting_Limit_Type	0004	RL		
A1	712	Reporting_Limit_Type	0004	RL		
A1	713	Reporting_Limit_Type	0004	RL		
A1	714	Reporting_Limit_Type	0004	RL		
A1	715	Reporting_Limit_Type	0004	RL		
A1	716	Reporting_Limit_Type	0004	RL		
A1	717	Reporting_Limit_Type	0004	RL		
A1	718	Reporting_Limit_Type	0004	RL		
A1	719	Reporting_Limit_Type	0004	RL		
A1	720	Reporting_Limit_Type	0004	RL		
A1	721	Reporting_Limit_Type	0004	RL		
A1	722	Reporting_Limit_Type	0004	RL		
A1	723	Reporting_Limit_Type	0004	RL		
A1	724	Reporting_Limit_Type	0004	RL		
A1	725	Reporting_Limit_Type	0004	RL		
A1	726	Reporting_Limit_Type	0004	RL		
A1	727	Reporting_Limit_Type	0004	RL		
A1	728	Reporting_Limit_Type	0004	RL		
A1	729	Reporting_Limit_Type	0004	RL		
A1	730	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	731	Reporting_Limit_Type	0004	RL		
A1	732	Reporting_Limit_Type	0004	RL		
A1	733	Reporting_Limit_Type	0004	RL		
A1	734	Reporting_Limit_Type	0004	RL		
A1	735	Reporting_Limit_Type	0004	RL		
A1	736	Reporting_Limit_Type	0004	RL		
A1	737	Reporting_Limit_Type	0004	RL		
A1	738	Reporting_Limit_Type	0004	RL		
A1	739	Reporting_Limit_Type	0004	RL		
A1	740	Reporting_Limit_Type	0004	RL		
A1	741	Reporting_Limit_Type	0004	RL		
A1	742	Reporting_Limit_Type	0004	RL		
A1	743	Reporting_Limit_Type	0004	RL		
A1	744	Reporting_Limit_Type	0004	RL		
A1	745	Reporting_Limit_Type	0004	RL		
A1	746	Reporting_Limit_Type	0004	RL		
A1	747	Reporting_Limit_Type	0004	RL		
A1	748	Reporting_Limit_Type	0004	RL		
A1	749	Reporting_Limit_Type	0004	RL		
A1	750	Reporting_Limit_Type	0004	RL		
A1	751	Reporting_Limit_Type	0004	RL		
A1	752	Reporting_Limit_Type	0004	RL		
A1	753	Reporting_Limit_Type	0004	RL		
A1	754	Reporting_Limit_Type	0004	RL		
A1	755	Reporting_Limit_Type	0004	RL		
A1	756	Reporting_Limit_Type	0004	RL		
A1	757	Reporting_Limit_Type	0004	RL		
A1	758	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	759	Reporting_Limit_Type	0004	RL		
A1	760	Reporting_Limit_Type	0004	RL		
A1	761	Reporting_Limit_Type	0004	RL		
A1	762	Reporting_Limit_Type	0004	RL		
A1	763	Reporting_Limit_Type	0004	RL		
A1	764	Reporting_Limit_Type	0004	RL		
A1	765	Reporting_Limit_Type	0004	RL		
A1	766	Reporting_Limit_Type	0004	RL		
A1	767	Reporting_Limit_Type	0004	RL		
A1	768	Reporting_Limit_Type	0004	RL		
A1	769	Reporting_Limit_Type	0004	RL		
A1	770	Reporting_Limit_Type	0004	RL		
A1	771	Reporting_Limit_Type	0004	RL		
A1	772	Reporting_Limit_Type	0004	RL		
A1	773	Reporting_Limit_Type	0004	RL		
A1	774	Reporting_Limit_Type	0004	RL		
A1	775	Reporting_Limit_Type	0004	RL		
A1	776	Reporting_Limit_Type	0004	RL		
A1	777	Reporting_Limit_Type	0004	RL		
A1	778	Reporting_Limit_Type	0004	RL		
A1	779	Reporting_Limit_Type	0004	RL		
A1	780	Reporting_Limit_Type	0004	RL		
A1	781	Reporting_Limit_Type	0004	RL		
A1	782	Reporting_Limit_Type	0004	RL		
A1	783	Reporting_Limit_Type	0004	RL		
A1	784	Reporting_Limit_Type	0004	RL		
A1	785	Reporting_Limit_Type	0004	RL		
A1	786	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	787	Reporting_Limit_Type	0004	RL		
A1	788	Reporting_Limit_Type	0004	RL		
A1	789	Reporting_Limit_Type	0004	RL		
A1	790	Reporting_Limit_Type	0004	RL		
A1	791	Reporting_Limit_Type	0004	RL		
A1	792	Reporting_Limit_Type	0004	RL		
A1	793	Reporting_Limit_Type	0004	RL		
A1	794	Reporting_Limit_Type	0004	RL		
A1	795	Reporting_Limit_Type	0004	RL		
A1	796	Reporting_Limit_Type	0004	RL		
A1	797	Reporting_Limit_Type	0004	RL		
A1	798	Reporting_Limit_Type	0004	RL		
A1	799	Reporting_Limit_Type	0004	RL		
A1	800	Reporting_Limit_Type	0004	RL		
A1	801	Reporting_Limit_Type	0004	RL		
A1	802	Reporting_Limit_Type	0004	RL		
A1	803	Reporting_Limit_Type	0004	RL		
A1	804	Reporting_Limit_Type	0004	RL		
A1	805	Reporting_Limit_Type	0004	RL		
A1	806	Reporting_Limit_Type	0004	RL		
A1	807	Reporting_Limit_Type	0004	RL		
A1	808	Reporting_Limit_Type	0004	RL		
A1	809	Reporting_Limit_Type	0004	RL		
A1	810	Reporting_Limit_Type	0004	RL		
A1	811	Reporting_Limit_Type	0004	RL		
A1	812	Reporting_Limit_Type	0004	RL		
A1	813	Reporting_Limit_Type	0004	RL		
A1	814	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	815	Reporting_Limit_Type	0004	RL		
A1	816	Reporting_Limit_Type	0004	RL		
A1	817	Reporting_Limit_Type	0004	RL		
A1	818	Reporting_Limit_Type	0004	RL		
A1	819	Reporting_Limit_Type	0004	RL		
A1	820	Reporting_Limit_Type	0004	RL		
A1	821	Reporting_Limit_Type	0004	RL		
A1	822	Reporting_Limit_Type	0004	RL		
A1	823	Reporting_Limit_Type	0004	RL		
A1	824	Reporting_Limit_Type	0004	RL		
A1	825	Reporting_Limit_Type	0004	RL		
A1	826	Reporting_Limit_Type	0004	RL		
A1	827	Reporting_Limit_Type	0004	RL		
A1	828	Reporting_Limit_Type	0004	RL		
A1	829	Reporting_Limit_Type	0004	RL		
A1	830	Reporting_Limit_Type	0004	RL		
A1	831	Reporting_Limit_Type	0004	RL		
A1	832	Reporting_Limit_Type	0004	RL		
A1	833	Reporting_Limit_Type	0004	RL		
A1	834	Reporting_Limit_Type	0004	RL		
A1	835	Reporting_Limit_Type	0004	RL		
A1	836	Reporting_Limit_Type	0004	RL		
A1	837	Reporting_Limit_Type	0004	RL		
A1	838	Reporting_Limit_Type	0004	RL		
A1	839	Reporting_Limit_Type	0004	RL		
A1	840	Reporting_Limit_Type	0004	RL		
A1	841	Reporting_Limit_Type	0004	RL		
A1	842	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	843	Reporting_Limit_Type	0004	RL		
A1	844	Reporting_Limit_Type	0004	RL		
A1	845	Reporting_Limit_Type	0004	RL		
A1	846	Reporting_Limit_Type	0004	RL		
A1	847	Reporting_Limit_Type	0004	RL		
A1	848	Reporting_Limit_Type	0004	RL		
A1	849	Reporting_Limit_Type	0004	RL		
A1	850	Reporting_Limit_Type	0004	RL		
A1	851	Reporting_Limit_Type	0004	RL		
A1	852	Reporting_Limit_Type	0004	RL		
A1	853	Reporting_Limit_Type	0004	RL		
A1	854	Reporting_Limit_Type	0004	RL		
A1	855	Reporting_Limit_Type	0004	RL		
A1	856	Reporting_Limit_Type	0004	RL		
A1	857	Reporting_Limit_Type	0004	RL		
A1	858	Reporting_Limit_Type	0004	RL		
A1	859	Reporting_Limit_Type	0004	RL		
A1	860	Reporting_Limit_Type	0004	RL		
A1	861	Reporting_Limit_Type	0004	RL		
A1	862	Reporting_Limit_Type	0004	RL		
A1	863	Reporting_Limit_Type	0004	RL		
A1	864	Reporting_Limit_Type	0004	RL		
A1	865	Reporting_Limit_Type	0004	RL		
A1	866	Reporting_Limit_Type	0004	RL		
A1	867	Reporting_Limit_Type	0004	RL		
A1	868	Reporting_Limit_Type	0004	RL		
A1	869	Reporting_Limit_Type	0004	RL		
A1	870	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	871	Reporting_Limit_Type	0004	RL		
A1	872	Reporting_Limit_Type	0004	RL		
A1	873	Reporting_Limit_Type	0004	RL		
A1	874	Reporting_Limit_Type	0004	RL		
A1	875	Reporting_Limit_Type	0004	RL		
A1	876	Reporting_Limit_Type	0004	RL		
A1	877	Reporting_Limit_Type	0004	RL		
A1	878	Reporting_Limit_Type	0004	RL		
A1	879	Reporting_Limit_Type	0004	RL		
A1	880	Reporting_Limit_Type	0004	RL		
A1	881	Reporting_Limit_Type	0004	RL		
A1	882	Reporting_Limit_Type	0004	RL		
A1	883	Reporting_Limit_Type	0004	RL		
A1	884	Reporting_Limit_Type	0004	RL		
A1	885	Reporting_Limit_Type	0004	RL		
A1	886	Reporting_Limit_Type	0004	RL		
A1	887	Reporting_Limit_Type	0004	RL		
A1	888	Reporting_Limit_Type	0004	RL		
A1	889	Reporting_Limit_Type	0004	RL		
A1	890	Reporting_Limit_Type	0004	RL		
A1	891	Reporting_Limit_Type	0004	RL		
A1	892	Reporting_Limit_Type	0004	RL		
A1	893	Reporting_Limit_Type	0004	RL		
A1	894	Reporting_Limit_Type	0004	RL		
A1	895	Reporting_Limit_Type	0004	RL		
A1	896	Reporting_Limit_Type	0004	RL		
A1	897	Reporting_Limit_Type	0004	RL		
A1	898	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	899	Reporting_Limit_Type	0004	RL		
A1	900	Reporting_Limit_Type	0004	RL		
A1	901	Reporting_Limit_Type	0004	RL		
A1	902	Reporting_Limit_Type	0004	RL		
A1	903	Reporting_Limit_Type	0004	RL		
A1	904	Reporting_Limit_Type	0004	RL		
A1	905	Reporting_Limit_Type	0004	RL		
A1	906	Reporting_Limit_Type	0004	RL		
A1	907	Reporting_Limit_Type	0004	RL		
A1	908	Reporting_Limit_Type	0004	RL		
A1	909	Reporting_Limit_Type	0004	RL		
A1	910	Reporting_Limit_Type	0004	RL		
A1	911	Reporting_Limit_Type	0004	RL		
A1	912	Reporting_Limit_Type	0004	RL		
A1	913	Reporting_Limit_Type	0004	RL		
A1	914	Reporting_Limit_Type	0004	RL		
A1	915	Reporting_Limit_Type	0004	RL		
A1	916	Reporting_Limit_Type	0004	RL		
A1	917	Reporting_Limit_Type	0004	RL		
A1	918	Reporting_Limit_Type	0004	RL		
A1	919	Reporting_Limit_Type	0004	RL		
A1	920	Reporting_Limit_Type	0004	RL		
A1	921	Reporting_Limit_Type	0004	RL		
A1	922	Reporting_Limit_Type	0004	RL		
A1	923	Reporting_Limit_Type	0004	RL		
A1	924	Reporting_Limit_Type	0004	RL		
A1	925	Reporting_Limit_Type	0004	RL		
A1	926	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	927	Reporting_Limit_Type	0004	RL		
A1	928	Reporting_Limit_Type	0004	RL		
A1	929	Reporting_Limit_Type	0004	RL		
A1	930	Reporting_Limit_Type	0004	RL		
A1	931	Reporting_Limit_Type	0004	RL		
A1	932	Reporting_Limit_Type	0004	RL		
A1	933	Reporting_Limit_Type	0004	RL		
A1	934	Reporting_Limit_Type	0004	RL		
A1	935	Reporting_Limit_Type	0004	RL		
A1	936	Reporting_Limit_Type	0004	RL		
A1	937	Reporting_Limit_Type	0004	RL		
A1	938	Reporting_Limit_Type	0004	RL		
A1	939	Reporting_Limit_Type	0004	RL		
A1	940	Reporting_Limit_Type	0004	RL		
A1	941	Reporting_Limit_Type	0004	RL		
A1	942	Reporting_Limit_Type	0004	RL		
A1	943	Reporting_Limit_Type	0004	RL		
A1	944	Reporting_Limit_Type	0004	RL		
A1	945	Reporting_Limit_Type	0004	RL		
A1	946	Reporting_Limit_Type	0004	RL		
A1	947	Reporting_Limit_Type	0004	RL		
A1	948	Reporting_Limit_Type	0004	RL		
A1	949	Reporting_Limit_Type	0004	RL		
A1	950	Reporting_Limit_Type	0004	RL		
A1	951	Reporting_Limit_Type	0004	RL		
A1	952	Reporting_Limit_Type	0004	RL		
A1	953	Reporting_Limit_Type	0004	RL		
A1	954	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	955	Reporting_Limit_Type	0004	RL		
A1	956	Reporting_Limit_Type	0004	RL		
A1	957	Reporting_Limit_Type	0004	RL		
A1	958	Reporting_Limit_Type	0004	RL		
A1	959	Reporting_Limit_Type	0004	RL		
A1	960	Reporting_Limit_Type	0004	RL		
A1	961	Reporting_Limit_Type	0004	RL		
A1	962	Reporting_Limit_Type	0004	RL		
A1	963	Reporting_Limit_Type	0004	RL		
A1	964	Reporting_Limit_Type	0004	RL		
A1	965	Reporting_Limit_Type	0004	RL		
A1	966	Reporting_Limit_Type	0004	RL		
A1	967	Reporting_Limit_Type	0004	RL		
A1	968	Reporting_Limit_Type	0004	RL		
A1	969	Reporting_Limit_Type	0004	RL		
A1	970	Reporting_Limit_Type	0004	RL		
A1	971	Reporting_Limit_Type	0004	RL		
A1	972	Reporting_Limit_Type	0004	RL		
A1	973	Reporting_Limit_Type	0004	RL		
A1	974	Reporting_Limit_Type	0004	RL		
A1	975	Reporting_Limit_Type	0004	RL		
A1	976	Reporting_Limit_Type	0004	RL		
A1	977	Reporting_Limit_Type	0004	RL		
A1	978	Reporting_Limit_Type	0004	RL		
A1	979	Reporting_Limit_Type	0004	RL		
A1	980	Reporting_Limit_Type	0004	RL		
A1	981	Reporting_Limit_Type	0004	RL		
A1	982	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	983	Reporting_Limit_Type	0004	RL		
A1	984	Reporting_Limit_Type	0004	RL		
A1	985	Reporting_Limit_Type	0004	RL		
A1	986	Reporting_Limit_Type	0004	RL		
A1	987	Reporting_Limit_Type	0004	RL		
A1	988	Reporting_Limit_Type	0004	RL		
A1	989	Reporting_Limit_Type	0004	RL		
A1	990	Reporting_Limit_Type	0004	RL		
A1	991	Reporting_Limit_Type	0004	RL		
A1	992	Reporting_Limit_Type	0004	RL		
A1	993	Reporting_Limit_Type	0004	RL		
A1	994	Reporting_Limit_Type	0004	RL		
A1	995	Reporting_Limit_Type	0004	RL		
A1	996	Reporting_Limit_Type	0004	RL		
A1	997	Reporting_Limit_Type	0004	RL		
A1	998	Reporting_Limit_Type	0004	RL		
A1	999	Reporting_Limit_Type	0004	RL		
A1	1000	Reporting_Limit_Type	0004	RL		
A1	1001	Reporting_Limit_Type	0004	RL		
A1	1002	Reporting_Limit_Type	0004	RL		
A1	1003	Reporting_Limit_Type	0004	RL		
A1	1004	Reporting_Limit_Type	0004	RL		
A1	1005	Reporting_Limit_Type	0004	RL		
A1	1006	Reporting_Limit_Type	0004	RL		
A1	1007	Reporting_Limit_Type	0004	RL		
A1	1008	Reporting_Limit_Type	0004	RL		
A1	1009	Reporting_Limit_Type	0004	RL		
A1	1010	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1011	Reporting_Limit_Type	0004	RL		
A1	1012	Reporting_Limit_Type	0004	RL		
A1	1013	Reporting_Limit_Type	0004	RL		
A1	1014	Reporting_Limit_Type	0004	RL		
A1	1015	Reporting_Limit_Type	0004	RL		
A1	1016	Reporting_Limit_Type	0004	RL		
A1	1017	Reporting_Limit_Type	0004	RL		
A1	1018	Reporting_Limit_Type	0004	RL		
A1	1019	Reporting_Limit_Type	0004	RL		
A1	1020	Reporting_Limit_Type	0004	RL		
A1	1021	Reporting_Limit_Type	0004	RL		
A1	1022	Reporting_Limit_Type	0004	RL		
A1	1023	Reporting_Limit_Type	0004	RL		
A1	1024	Reporting_Limit_Type	0004	RL		
A1	1025	Reporting_Limit_Type	0004	RL		
A1	1026	Reporting_Limit_Type	0004	RL		
A1	1027	Reporting_Limit_Type	0004	RL		
A1	1028	Reporting_Limit_Type	0004	RL		
A1	1029	Reporting_Limit_Type	0004	RL		
A1	1030	Reporting_Limit_Type	0004	RL		
A1	1031	Reporting_Limit_Type	0004	RL		
A1	1032	Reporting_Limit_Type	0004	RL		
A1	1033	Reporting_Limit_Type	0004	RL		
A1	1034	Reporting_Limit_Type	0004	RL		
A1	1035	Reporting_Limit_Type	0004	RL		
A1	1036	Reporting_Limit_Type	0004	RL		
A1	1037	Reporting_Limit_Type	0004	RL		
A1	1038	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1039	Reporting_Limit_Type	0004	RL		
A1	1040	Reporting_Limit_Type	0004	RL		
A1	1041	Reporting_Limit_Type	0004	RL		
A1	1042	Reporting_Limit_Type	0004	RL		
A1	1043	Reporting_Limit_Type	0004	RL		
A1	1044	Reporting_Limit_Type	0004	RL		
A1	1045	Reporting_Limit_Type	0004	RL		
A1	1046	Reporting_Limit_Type	0004	RL		
A1	1047	Reporting_Limit_Type	0004	RL		
A1	1048	Reporting_Limit_Type	0004	RL		
A1	1049	Reporting_Limit_Type	0004	RL		
A1	1050	Reporting_Limit_Type	0004	RL		
A1	1051	Reporting_Limit_Type	0004	RL		
A1	1052	Reporting_Limit_Type	0004	RL		
A1	1053	Reporting_Limit_Type	0004	RL		
A1	1054	Reporting_Limit_Type	0004	RL		
A1	1055	Reporting_Limit_Type	0004	RL		
A1	1056	Reporting_Limit_Type	0004	RL		
A1	1057	Reporting_Limit_Type	0004	RL		
A1	1058	Reporting_Limit_Type	0004	RL		
A1	1059	Reporting_Limit_Type	0004	RL		
A1	1060	Reporting_Limit_Type	0004	RL		
A1	1061	Reporting_Limit_Type	0004	RL		
A1	1062	Reporting_Limit_Type	0004	RL		
A1	1063	Reporting_Limit_Type	0004	RL		
A1	1064	Reporting_Limit_Type	0004	RL		
A1	1065	Reporting_Limit_Type	0004	RL		
A1	1066	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1067	Reporting_Limit_Type	0004	RL		
A1	1068	Reporting_Limit_Type	0004	RL		
A1	1069	Reporting_Limit_Type	0004	RL		
A1	1070	Reporting_Limit_Type	0004	RL		
A1	1071	Reporting_Limit_Type	0004	RL		
A1	1072	Reporting_Limit_Type	0004	RL		
A1	1073	Reporting_Limit_Type	0004	RL		
A1	1074	Reporting_Limit_Type	0004	RL		
A1	1075	Reporting_Limit_Type	0004	RL		
A1	1076	Reporting_Limit_Type	0004	RL		
A1	1077	Reporting_Limit_Type	0004	RL		
A1	1078	Reporting_Limit_Type	0004	RL		
A1	1079	Reporting_Limit_Type	0004	RL		
A1	1080	Reporting_Limit_Type	0004	RL		
A1	1081	Reporting_Limit_Type	0004	RL		
A1	1082	Reporting_Limit_Type	0004	RL		
A1	1083	Reporting_Limit_Type	0004	RL		
A1	1084	Reporting_Limit_Type	0004	RL		
A1	1085	Reporting_Limit_Type	0004	RL		
A1	1086	Reporting_Limit_Type	0004	RL		
A1	1087	Reporting_Limit_Type	0004	RL		
A1	1088	Reporting_Limit_Type	0004	RL		
A1	1089	Reporting_Limit_Type	0004	RL		
A1	1090	Reporting_Limit_Type	0004	RL		
A1	1091	Reporting_Limit_Type	0004	RL		
A1	1092	Reporting_Limit_Type	0004	RL		
A1	1093	Reporting_Limit_Type	0004	RL		
A1	1094	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1095	Reporting_Limit_Type	0004	RL		
A1	1096	Reporting_Limit_Type	0004	RL		
A1	1097	Reporting_Limit_Type	0004	RL		
A1	1098	Reporting_Limit_Type	0004	RL		
A1	1099	Reporting_Limit_Type	0004	RL		
A1	1100	Reporting_Limit_Type	0004	RL		
A1	1101	Reporting_Limit_Type	0004	RL		
A1	1102	Reporting_Limit_Type	0004	RL		
A1	1103	Reporting_Limit_Type	0004	RL		
A1	1104	Reporting_Limit_Type	0004	RL		
A1	1105	Reporting_Limit_Type	0004	RL		
A1	1106	Reporting_Limit_Type	0004	RL		
A1	1107	Reporting_Limit_Type	0004	RL		
A1	1108	Reporting_Limit_Type	0004	RL		
A1	1109	Reporting_Limit_Type	0004	RL		
A1	1110	Reporting_Limit_Type	0004	RL		
A1	1111	Reporting_Limit_Type	0004	RL		
A1	1112	Reporting_Limit_Type	0004	RL		
A1	1113	Reporting_Limit_Type	0004	RL		
A1	1114	Reporting_Limit_Type	0004	RL		
A1	1115	Reporting_Limit_Type	0004	RL		
A1	1116	Reporting_Limit_Type	0004	RL		
A1	1117	Reporting_Limit_Type	0004	RL		
A1	1118	Reporting_Limit_Type	0004	RL		
A1	1119	Reporting_Limit_Type	0004	RL		
A1	1120	Reporting_Limit_Type	0004	RL		
A1	1121	Reporting_Limit_Type	0004	RL		
A1	1122	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1123	Reporting_Limit_Type	0004	RL		
A1	1124	Reporting_Limit_Type	0004	RL		
A1	1125	Reporting_Limit_Type	0004	RL		
A1	1126	Reporting_Limit_Type	0004	RL		
A1	1127	Reporting_Limit_Type	0004	RL		
A1	1128	Reporting_Limit_Type	0004	RL		
A1	1129	Reporting_Limit_Type	0004	RL		
A1	1130	Reporting_Limit_Type	0004	RL		
A1	1131	Reporting_Limit_Type	0004	RL		
A1	1132	Reporting_Limit_Type	0004	RL		
A1	1133	Reporting_Limit_Type	0004	RL		
A1	1134	Reporting_Limit_Type	0004	RL		
A1	1135	Reporting_Limit_Type	0004	RL		
A1	1136	Reporting_Limit_Type	0004	RL		
A1	1137	Reporting_Limit_Type	0004	RL		
A1	1138	Reporting_Limit_Type	0004	RL		
A1	1139	Reporting_Limit_Type	0004	RL		
A1	1140	Reporting_Limit_Type	0004	RL		
A1	1141	Reporting_Limit_Type	0004	RL		
A1	1142	Reporting_Limit_Type	0004	RL		
A1	1143	Reporting_Limit_Type	0004	RL		
A1	1144	Reporting_Limit_Type	0004	RL		
A1	1145	Reporting_Limit_Type	0004	RL		
A1	1146	Reporting_Limit_Type	0004	RL		
A1	1147	Reporting_Limit_Type	0004	RL		
A1	1148	Reporting_Limit_Type	0004	RL		
A1	1149	Reporting_Limit_Type	0004	RL		
A1	1150	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1151	Reporting_Limit_Type	0004	RL		
A1	1152	Reporting_Limit_Type	0004	RL		
A1	1153	Reporting_Limit_Type	0004	RL		
A1	1154	Reporting_Limit_Type	0004	RL		
A1	1155	Reporting_Limit_Type	0004	RL		
A1	1156	Reporting_Limit_Type	0004	RL		
A1	1157	Reporting_Limit_Type	0004	RL		
A1	1158	Reporting_Limit_Type	0004	RL		
A1	1159	Reporting_Limit_Type	0004	RL		
A1	1160	Reporting_Limit_Type	0004	RL		
A1	1161	Reporting_Limit_Type	0004	RL		
A1	1162	Reporting_Limit_Type	0004	RL		
A1	1163	Reporting_Limit_Type	0004	RL		
A1	1164	Reporting_Limit_Type	0004	RL		
A1	1165	Reporting_Limit_Type	0004	RL		
A1	1166	Reporting_Limit_Type	0004	RL		
A1	1167	Reporting_Limit_Type	0004	RL		
A1	1168	Reporting_Limit_Type	0004	RL		
A1	1169	Reporting_Limit_Type	0004	RL		
A1	1170	Reporting_Limit_Type	0004	RL		
A1	1171	Reporting_Limit_Type	0004	RL		
A1	1172	Reporting_Limit_Type	0004	RL		
A1	1173	Reporting_Limit_Type	0004	RL		
A1	1174	Reporting_Limit_Type	0004	RL		
A1	1175	Reporting_Limit_Type	0004	RL		
A1	1176	Reporting_Limit_Type	0004	RL		
A1	1177	Reporting_Limit_Type	0004	RL		
A1	1178	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1179	Reporting_Limit_Type	0004	RL		
A1	1180	Reporting_Limit_Type	0004	RL		
A1	1181	Reporting_Limit_Type	0004	RL		
A1	1182	Reporting_Limit_Type	0004	RL		
A1	1183	Reporting_Limit_Type	0004	RL		
A1	1184	Reporting_Limit_Type	0004	RL		
A1	1185	Reporting_Limit_Type	0004	RL		
A1	1186	Reporting_Limit_Type	0004	RL		
A1	1187	Reporting_Limit_Type	0004	RL		
A1	1188	Reporting_Limit_Type	0004	RL		
A1	1189	Reporting_Limit_Type	0004	RL		
A1	1190	Reporting_Limit_Type	0004	RL		
A1	1191	Reporting_Limit_Type	0004	RL		
A1	1192	Reporting_Limit_Type	0004	RL		
A1	1193	Reporting_Limit_Type	0004	RL		
A1	1194	Reporting_Limit_Type	0004	RL		
A1	1195	Reporting_Limit_Type	0004	RL		
A1	1196	Reporting_Limit_Type	0004	RL		
A1	1197	Reporting_Limit_Type	0004	RL		
A1	1198	Reporting_Limit_Type	0004	RL		
A1	1199	Reporting_Limit_Type	0004	RL		
A1	1200	Reporting_Limit_Type	0004	RL		
A1	1201	Reporting_Limit_Type	0004	RL		
A1	1202	Reporting_Limit_Type	0004	RL		
A1	1203	Reporting_Limit_Type	0004	RL		
A1	1204	Reporting_Limit_Type	0004	RL		
A1	1205	Reporting_Limit_Type	0004	RL		
A1	1206	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1207	Reporting_Limit_Type	0004	RL		
A1	1208	Reporting_Limit_Type	0004	RL		
A1	1209	Reporting_Limit_Type	0004	RL		
A1	1210	Reporting_Limit_Type	0004	RL		
A1	1211	Reporting_Limit_Type	0004	RL		
A1	1212	Reporting_Limit_Type	0004	RL		
A1	1213	Reporting_Limit_Type	0004	RL		
A1	1214	Reporting_Limit_Type	0004	RL		
A1	1215	Reporting_Limit_Type	0004	RL		
A1	1216	Reporting_Limit_Type	0004	RL		
A1	1217	Reporting_Limit_Type	0004	RL		
A1	1218	Reporting_Limit_Type	0004	RL		
A1	1219	Reporting_Limit_Type	0004	RL		
A1	1220	Reporting_Limit_Type	0004	RL		
A1	1221	Reporting_Limit_Type	0004	RL		
A1	1222	Reporting_Limit_Type	0004	RL		
A1	1223	Reporting_Limit_Type	0004	RL		
A1	1224	Reporting_Limit_Type	0004	RL		
A1	1225	Reporting_Limit_Type	0004	RL		
A1	1226	Reporting_Limit_Type	0004	RL		
A1	1227	Reporting_Limit_Type	0004	RL		
A1	1228	Reporting_Limit_Type	0004	RL		
A1	1229	Reporting_Limit_Type	0004	RL		
A1	1230	Reporting_Limit_Type	0004	RL		
A1	1231	Reporting_Limit_Type	0004	RL		
A1	1232	Reporting_Limit_Type	0004	RL		
A1	1233	Reporting_Limit_Type	0004	RL		
A1	1234	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1235	Reporting_Limit_Type	0004	RL		
A1	1236	Reporting_Limit_Type	0004	RL		
A1	1237	Reporting_Limit_Type	0004	RL		
A1	1238	Reporting_Limit_Type	0004	RL		
A1	1239	Reporting_Limit_Type	0004	RL		
A1	1240	Reporting_Limit_Type	0004	RL		
A1	1241	Reporting_Limit_Type	0004	RL		
A1	1242	Reporting_Limit_Type	0004	RL		
A1	1243	Reporting_Limit_Type	0004	RL		
A1	1244	Reporting_Limit_Type	0004	RL		
A1	1245	Reporting_Limit_Type	0004	RL		
A1	1246	Reporting_Limit_Type	0004	RL		
A1	1247	Reporting_Limit_Type	0004	RL		
A1	1248	Reporting_Limit_Type	0004	RL		
A1	1249	Reporting_Limit_Type	0004	RL		
A1	1250	Reporting_Limit_Type	0004	RL		
A1	1251	Reporting_Limit_Type	0004	RL		
A1	1252	Reporting_Limit_Type	0004	RL		
A1	1253	Reporting_Limit_Type	0004	RL		
A1	1254	Reporting_Limit_Type	0004	RL		
A1	1255	Reporting_Limit_Type	0004	RL		
A1	1256	Reporting_Limit_Type	0004	RL		
A1	1257	Reporting_Limit_Type	0004	RL		
A1	1258	Reporting_Limit_Type	0004	RL		
A1	1259	Reporting_Limit_Type	0004	RL		
A1	1260	Reporting_Limit_Type	0004	RL		
A1	1261	Reporting_Limit_Type	0004	RL		
A1	1262	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1263	Reporting_Limit_Type	0004	RL		
A1	1264	Reporting_Limit_Type	0004	RL		
A1	1265	Reporting_Limit_Type	0004	RL		
A1	1266	Reporting_Limit_Type	0004	RL		
A1	1267	Reporting_Limit_Type	0004	RL		
A1	1268	Reporting_Limit_Type	0004	RL		
A1	1269	Reporting_Limit_Type	0004	RL		
A1	1270	Reporting_Limit_Type	0004	RL		
A1	1271	Reporting_Limit_Type	0004	RL		
A1	1272	Reporting_Limit_Type	0004	RL		
A1	1273	Reporting_Limit_Type	0004	RL		
A1	1274	Reporting_Limit_Type	0004	RL		
A1	1275	Reporting_Limit_Type	0004	RL		
A1	1276	Reporting_Limit_Type	0004	RL		
A1	1277	Reporting_Limit_Type	0004	RL		
A1	1278	Reporting_Limit_Type	0004	RL		
A1	1279	Reporting_Limit_Type	0004	RL		
A1	1280	Reporting_Limit_Type	0004	RL		
A1	1281	Reporting_Limit_Type	0004	RL		
A1	1282	Reporting_Limit_Type	0004	RL		
A1	1283	Reporting_Limit_Type	0004	RL		
A1	1284	Reporting_Limit_Type	0004	RL		
A1	1285	Reporting_Limit_Type	0004	RL		
A1	1286	Reporting_Limit_Type	0004	RL		
A1	1287	Reporting_Limit_Type	0004	RL		
A1	1288	Reporting_Limit_Type	0004	RL		
A1	1289	Reporting_Limit_Type	0004	RL		
A1	1290	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1291	Reporting_Limit_Type	0004	RL		
A1	1292	Reporting_Limit_Type	0004	RL		
A1	1293	Reporting_Limit_Type	0004	RL		
A1	1294	Reporting_Limit_Type	0004	RL		
A1	1295	Reporting_Limit_Type	0004	RL		
A1	1296	Reporting_Limit_Type	0004	RL		
A1	1297	Reporting_Limit_Type	0004	RL		
A1	1298	Reporting_Limit_Type	0004	RL		
A1	1299	Reporting_Limit_Type	0004	RL		
A1	1300	Reporting_Limit_Type	0004	RL		
A1	1301	Reporting_Limit_Type	0004	RL		
A1	1302	Reporting_Limit_Type	0004	RL		
A1	1303	Reporting_Limit_Type	0004	RL		
A1	1304	Reporting_Limit_Type	0004	RL		
A1	1305	Reporting_Limit_Type	0004	RL		
A1	1306	Reporting_Limit_Type	0004	RL		
A1	1307	Reporting_Limit_Type	0004	RL		
A1	1308	Reporting_Limit_Type	0004	RL		
A1	1309	Reporting_Limit_Type	0004	RL		
A1	1310	Reporting_Limit_Type	0004	RL		
A1	1311	Reporting_Limit_Type	0004	RL		
A1	1312	Reporting_Limit_Type	0004	RL		
A1	1313	Reporting_Limit_Type	0004	RL		
A1	1314	Reporting_Limit_Type	0004	RL		
A1	1315	Reporting_Limit_Type	0004	RL		
A1	1316	Reporting_Limit_Type	0004	RL		
A1	1317	Reporting_Limit_Type	0004	RL		
A1	1318	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1319	Reporting_Limit_Type	0004	RL		
A1	1320	Reporting_Limit_Type	0004	RL		
A1	1321	Reporting_Limit_Type	0004	RL		
A1	1322	Reporting_Limit_Type	0004	RL		
A1	1323	Reporting_Limit_Type	0004	RL		
A1	1324	Reporting_Limit_Type	0004	RL		
A1	1325	Reporting_Limit_Type	0004	RL		
A1	1326	Reporting_Limit_Type	0004	RL		
A1	1327	Reporting_Limit_Type	0004	RL		
A1	1328	Reporting_Limit_Type	0004	RL		
A1	1329	Reporting_Limit_Type	0004	RL		
A1	1330	Reporting_Limit_Type	0004	RL		
A1	1331	Reporting_Limit_Type	0004	RL		
A1	1332	Reporting_Limit_Type	0004	RL		
A1	1333	Reporting_Limit_Type	0004	RL		
A1	1334	Reporting_Limit_Type	0004	RL		
A1	1335	Reporting_Limit_Type	0004	RL		
A1	1336	Reporting_Limit_Type	0004	RL		
A1	1337	Reporting_Limit_Type	0004	RL		
A1	1338	Reporting_Limit_Type	0004	RL		
A1	1339	Reporting_Limit_Type	0004	RL		
A1	1340	Reporting_Limit_Type	0004	RL		
A1	1341	Reporting_Limit_Type	0004	RL		
A1	1342	Reporting_Limit_Type	0004	RL		
A1	1343	Reporting_Limit_Type	0004	RL		
A1	1344	Reporting_Limit_Type	0004	RL		
A1	1345	Reporting_Limit_Type	0004	RL		
A1	1346	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1347	Reporting_Limit_Type	0004	RL		
A1	1348	Reporting_Limit_Type	0004	RL		
A1	1349	Reporting_Limit_Type	0004	RL		
A1	1350	Reporting_Limit_Type	0004	RL		
A1	1351	Reporting_Limit_Type	0004	RL		
A1	1352	Reporting_Limit_Type	0004	RL		
A1	1353	Reporting_Limit_Type	0004	RL		
A1	1354	Reporting_Limit_Type	0004	RL		
A1	1355	Reporting_Limit_Type	0004	RL		
A1	1356	Reporting_Limit_Type	0004	RL		
A1	1357	Reporting_Limit_Type	0004	RL		
A1	1358	Reporting_Limit_Type	0004	RL		
A1	1359	Reporting_Limit_Type	0004	RL		
A1	1360	Reporting_Limit_Type	0004	RL		
A1	1361	Reporting_Limit_Type	0004	RL		
A1	1362	Reporting_Limit_Type	0004	RL		
A1	1363	Reporting_Limit_Type	0004	RL		
A1	1364	Reporting_Limit_Type	0004	RL		
A1	1365	Reporting_Limit_Type	0004	RL		
A1	1366	Reporting_Limit_Type	0004	RL		
A1	1367	Reporting_Limit_Type	0004	RL		
A1	1368	Reporting_Limit_Type	0004	RL		
A1	1369	Reporting_Limit_Type	0004	RL		
A1	1370	Reporting_Limit_Type	0004	RL		
A1	1371	Reporting_Limit_Type	0004	RL		
A1	1372	Reporting_Limit_Type	0004	RL		
A1	1373	Reporting_Limit_Type	0004	RL		
A1	1374	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1375	Reporting_Limit_Type	0004	RL		
A1	1376	Reporting_Limit_Type	0004	RL		
A1	1377	Reporting_Limit_Type	0004	RL		
A1	1378	Reporting_Limit_Type	0004	RL		
A1	1379	Reporting_Limit_Type	0004	RL		
A1	1380	Reporting_Limit_Type	0004	RL		
A1	1381	Reporting_Limit_Type	0004	RL		
A1	1382	Reporting_Limit_Type	0004	RL		
A1	1383	Reporting_Limit_Type	0004	RL		
A1	1384	Reporting_Limit_Type	0004	RL		
A1	1385	Reporting_Limit_Type	0004	RL		
A1	1386	Reporting_Limit_Type	0004	RL		
A1	1387	Reporting_Limit_Type	0004	RL		
A1	1388	Reporting_Limit_Type	0004	RL		
A1	1389	Reporting_Limit_Type	0004	RL		
A1	1390	Reporting_Limit_Type	0004	RL		
A1	1391	Reporting_Limit_Type	0004	RL		
A1	1392	Reporting_Limit_Type	0004	RL		
A1	1393	Reporting_Limit_Type	0004	RL		
A1	1394	Reporting_Limit_Type	0004	RL		
A1	1395	Reporting_Limit_Type	0004	RL		
A1	1396	Reporting_Limit_Type	0004	RL		
A1	1397	Reporting_Limit_Type	0004	RL		
A1	1398	Reporting_Limit_Type	0004	RL		
A1	1399	Reporting_Limit_Type	0004	RL		
A1	1400	Reporting_Limit_Type	0004	RL		
A1	1401	Reporting_Limit_Type	0004	RL		
A1	1402	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1403	Reporting_Limit_Type	0004	RL		
A1	1404	Reporting_Limit_Type	0004	RL		
A1	1405	Reporting_Limit_Type	0004	RL		
A1	1406	Reporting_Limit_Type	0004	RL		
A1	1407	Reporting_Limit_Type	0004	RL		
A1	1408	Reporting_Limit_Type	0004	RL		
A1	1409	Reporting_Limit_Type	0004	RL		
A1	1410	Reporting_Limit_Type	0004	RL		
A1	1411	Reporting_Limit_Type	0004	RL		
A1	1412	Reporting_Limit_Type	0004	RL		
A1	1413	Reporting_Limit_Type	0004	RL		
A1	1414	Reporting_Limit_Type	0004	RL		
A1	1415	Reporting_Limit_Type	0004	RL		
A1	1416	Reporting_Limit_Type	0004	RL		
A1	1417	Reporting_Limit_Type	0004	RL		
A1	1418	Reporting_Limit_Type	0004	RL		
A1	1419	Reporting_Limit_Type	0004	RL		
A1	1420	Reporting_Limit_Type	0004	RL		
A1	1421	Reporting_Limit_Type	0004	RL		
A1	1422	Reporting_Limit_Type	0004	RL		
A1	1423	Reporting_Limit_Type	0004	RL		
A1	1424	Reporting_Limit_Type	0004	RL		
A1	1425	Reporting_Limit_Type	0004	RL		
A1	1426	Reporting_Limit_Type	0004	RL		
A1	1427	Reporting_Limit_Type	0004	RL		
A1	1428	Reporting_Limit_Type	0004	RL		
A1	1429	Reporting_Limit_Type	0004	RL		
A1	1430	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1431	Reporting_Limit_Type	0004	RL		
A1	1432	Reporting_Limit_Type	0004	RL		
A1	1433	Reporting_Limit_Type	0004	RL		
A1	1434	Reporting_Limit_Type	0004	RL		
A1	1435	Reporting_Limit_Type	0004	RL		
A1	1436	Reporting_Limit_Type	0004	RL		
A1	1437	Reporting_Limit_Type	0004	RL		
A1	1438	Reporting_Limit_Type	0004	RL		
A1	1439	Reporting_Limit_Type	0004	RL		
A1	1440	Reporting_Limit_Type	0004	RL		
A1	1441	Reporting_Limit_Type	0004	RL		
A1	1442	Reporting_Limit_Type	0004	RL		
A1	1443	Reporting_Limit_Type	0004	RL		
A1	1444	Reporting_Limit_Type	0004	RL		
A1	1445	Reporting_Limit_Type	0004	RL		
A1	1446	Reporting_Limit_Type	0004	RL		
A1	1447	Reporting_Limit_Type	0004	RL		
A1	1448	Reporting_Limit_Type	0004	RL		
A1	1449	Reporting_Limit_Type	0004	RL		
A1	1450	Reporting_Limit_Type	0004	RL		
A1	1451	Reporting_Limit_Type	0004	RL		
A1	1452	Reporting_Limit_Type	0004	RL		
A1	1453	Reporting_Limit_Type	0004	RL		
A1	1454	Reporting_Limit_Type	0004	RL		
A1	1455	Reporting_Limit_Type	0004	RL		
A1	1456	Reporting_Limit_Type	0004	RL		
A1	1457	Reporting_Limit_Type	0004	RL		
A1	1458	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1459	Reporting_Limit_Type	0004	RL		
A1	1460	Reporting_Limit_Type	0004	RL		
A1	1461	Reporting_Limit_Type	0004	RL		
A1	1462	Reporting_Limit_Type	0004	RL		
A1	1463	Reporting_Limit_Type	0004	RL		
A1	1464	Reporting_Limit_Type	0004	RL		
A1	1465	Reporting_Limit_Type	0004	RL		
A1	1466	Reporting_Limit_Type	0004	RL		
A1	1467	Reporting_Limit_Type	0004	RL		
A1	1468	Reporting_Limit_Type	0004	RL		
A1	1469	Reporting_Limit_Type	0004	RL		
A1	1470	Reporting_Limit_Type	0004	RL		
A1	1471	Reporting_Limit_Type	0004	RL		
A1	1472	Reporting_Limit_Type	0004	RL		
A1	1473	Reporting_Limit_Type	0004	RL		
A1	1474	Reporting_Limit_Type	0004	RL		
A1	1475	Reporting_Limit_Type	0004	RL		
A1	1476	Reporting_Limit_Type	0004	RL		
A1	1477	Reporting_Limit_Type	0004	RL		
A1	1478	Reporting_Limit_Type	0004	RL		
A1	1479	Reporting_Limit_Type	0004	RL		
A1	1480	Reporting_Limit_Type	0004	RL		
A1	1481	Reporting_Limit_Type	0004	RL		
A1	1482	Reporting_Limit_Type	0004	RL		
A1	1483	Reporting_Limit_Type	0004	RL		
A1	1484	Reporting_Limit_Type	0004	RL		
A1	1485	Reporting_Limit_Type	0004	RL		
A1	1486	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1487	Reporting_Limit_Type	0004	RL		
A1	1488	Reporting_Limit_Type	0004	RL		
A1	1489	Reporting_Limit_Type	0004	RL		
A1	1490	Reporting_Limit_Type	0004	RL		
A1	1491	Reporting_Limit_Type	0004	RL		
A1	1492	Reporting_Limit_Type	0004	RL		
A1	1493	Reporting_Limit_Type	0004	RL		
A1	1494	Reporting_Limit_Type	0004	RL		
A1	1495	Reporting_Limit_Type	0004	RL		
A1	1496	Reporting_Limit_Type	0004	RL		
A1	1497	Reporting_Limit_Type	0004	RL		
A1	1498	Reporting_Limit_Type	0004	RL		
A1	1499	Reporting_Limit_Type	0004	RL		
A1	1500	Reporting_Limit_Type	0004	RL		
A1	1501	Reporting_Limit_Type	0004	RL		
A1	1502	Reporting_Limit_Type	0004	RL		
A1	1503	Reporting_Limit_Type	0004	RL		
A1	1504	Reporting_Limit_Type	0004	RL		
A1	1505	Reporting_Limit_Type	0004	RL		
A1	1506	Reporting_Limit_Type	0004	RL		
A1	1507	Reporting_Limit_Type	0004	RL		
A1	1508	Reporting_Limit_Type	0004	RL		
A1	1509	Reporting_Limit_Type	0004	RL		
A1	1510	Reporting_Limit_Type	0004	RL		
A1	1511	Reporting_Limit_Type	0004	RL		
A1	1512	Reporting_Limit_Type	0004	RL		
A1	1513	Reporting_Limit_Type	0004	RL		
A1	1514	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1515	Reporting_Limit_Type	0004	RL		
A1	1516	Reporting_Limit_Type	0004	RL		
A1	1517	Reporting_Limit_Type	0004	RL		
A1	1518	Reporting_Limit_Type	0004	RL		
A1	1519	Reporting_Limit_Type	0004	RL		
A1	1520	Reporting_Limit_Type	0004	RL		
A1	1521	Reporting_Limit_Type	0004	RL		
A1	1522	Reporting_Limit_Type	0004	RL		
A1	1523	Reporting_Limit_Type	0004	RL		
A1	1524	Reporting_Limit_Type	0004	RL		
A1	1525	Reporting_Limit_Type	0004	RL		
A1	1526	Reporting_Limit_Type	0004	RL		
A1	1527	Reporting_Limit_Type	0004	RL		
A1	1528	Reporting_Limit_Type	0004	RL		
A1	1529	Reporting_Limit_Type	0004	RL		
A1	1530	Reporting_Limit_Type	0004	RL		
A1	1531	Reporting_Limit_Type	0004	RL		
A1	1532	Reporting_Limit_Type	0004	RL		
A1	1533	Reporting_Limit_Type	0004	RL		
A1	1534	Reporting_Limit_Type	0004	RL		
A1	1535	Reporting_Limit_Type	0004	RL		
A1	1536	Reporting_Limit_Type	0004	RL		
A1	1537	Reporting_Limit_Type	0004	RL		
A1	1538	Reporting_Limit_Type	0004	RL		
A1	1539	Reporting_Limit_Type	0004	RL		
A1	1540	Reporting_Limit_Type	0004	RL		
A1	1541	Reporting_Limit_Type	0004	RL		
A1	1542	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1543	Reporting_Limit_Type	0004	RL		
A1	1544	Reporting_Limit_Type	0004	RL		
A1	1545	Reporting_Limit_Type	0004	RL		
A1	1546	Reporting_Limit_Type	0004	RL		
A1	1547	Reporting_Limit_Type	0004	RL		
A1	1548	Reporting_Limit_Type	0004	RL		
A1	1549	Reporting_Limit_Type	0004	RL		
A1	1550	Reporting_Limit_Type	0004	RL		
A1	1551	Reporting_Limit_Type	0004	RL		
A1	1552	Reporting_Limit_Type	0004	RL		
A1	1553	Reporting_Limit_Type	0004	RL		
A1	1554	Reporting_Limit_Type	0004	RL		
A1	1555	Reporting_Limit_Type	0004	RL		
A1	1556	Reporting_Limit_Type	0004	RL		
A1	1557	Reporting_Limit_Type	0004	RL		
A1	1558	Reporting_Limit_Type	0004	RL		
A1	1559	Reporting_Limit_Type	0004	RL		
A1	1560	Reporting_Limit_Type	0004	RL		
A1	1561	Reporting_Limit_Type	0004	RL		
A1	1562	Reporting_Limit_Type	0004	RL		
A1	1563	Reporting_Limit_Type	0004	RL		
A1	1564	Reporting_Limit_Type	0004	RL		
A1	1565	Reporting_Limit_Type	0004	RL		
A1	1566	Reporting_Limit_Type	0004	RL		
A1	1567	Reporting_Limit_Type	0004	RL		
A1	1568	Reporting_Limit_Type	0004	RL		
A1	1569	Reporting_Limit_Type	0004	RL		
A1	1570	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1571	Reporting_Limit_Type	0004	RL		
A1	1572	Reporting_Limit_Type	0004	RL		
A1	1573	Reporting_Limit_Type	0004	RL		
A1	1574	Reporting_Limit_Type	0004	RL		
A1	1575	Reporting_Limit_Type	0004	RL		
A1	1576	Reporting_Limit_Type	0004	RL		
A1	1577	Reporting_Limit_Type	0004	RL		
A1	1578	Reporting_Limit_Type	0004	RL		
A1	1579	Reporting_Limit_Type	0004	RL		
A1	1580	Reporting_Limit_Type	0004	RL		
A1	1581	Reporting_Limit_Type	0004	RL		
A1	1582	Reporting_Limit_Type	0004	RL		
A1	1583	Reporting_Limit_Type	0004	RL		
A1	1584	Reporting_Limit_Type	0004	RL		
A1	1585	Reporting_Limit_Type	0004	RL		
A1	1586	Reporting_Limit_Type	0004	RL		
A1	1587	Reporting_Limit_Type	0004	RL		
A1	1588	Reporting_Limit_Type	0004	RL		
A1	1589	Reporting_Limit_Type	0004	RL		
A1	1590	Reporting_Limit_Type	0004	RL		
A1	1591	Reporting_Limit_Type	0004	RL		
A1	1592	Reporting_Limit_Type	0004	RL		
A1	1593	Reporting_Limit_Type	0004	RL		
A1	1594	Reporting_Limit_Type	0004	RL		
A1	1595	Reporting_Limit_Type	0004	RL		
A1	1596	Reporting_Limit_Type	0004	RL		
A1	1597	Reporting_Limit_Type	0004	RL		
A1	1598	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1599	Reporting_Limit_Type	0004	RL		
A1	1600	Reporting_Limit_Type	0004	RL		
A1	1601	Reporting_Limit_Type	0004	RL		
A1	1602	Reporting_Limit_Type	0004	RL		
A1	1603	Reporting_Limit_Type	0004	RL		
A1	1604	Reporting_Limit_Type	0004	RL		
A1	1605	Reporting_Limit_Type	0004	RL		
A1	1606	Reporting_Limit_Type	0004	RL		
A1	1607	Reporting_Limit_Type	0004	RL		
A1	1608	Reporting_Limit_Type	0004	RL		
A1	1609	Reporting_Limit_Type	0004	RL		
A1	1610	Reporting_Limit_Type	0004	RL		
A1	1611	Reporting_Limit_Type	0004	RL		
A1	1612	Reporting_Limit_Type	0004	RL		
A1	1613	Reporting_Limit_Type	0004	RL		
A1	1614	Reporting_Limit_Type	0004	RL		
A1	1615	Reporting_Limit_Type	0004	RL		
A1	1616	Reporting_Limit_Type	0004	RL		
A1	1617	Reporting_Limit_Type	0004	RL		
A1	1618	Reporting_Limit_Type	0004	RL		
A1	1619	Reporting_Limit_Type	0004	RL		
A1	1620	Reporting_Limit_Type	0004	RL		
A1	1621	Reporting_Limit_Type	0004	RL		
A1	1622	Reporting_Limit_Type	0004	RL		
A1	1623	Reporting_Limit_Type	0004	RL		
A1	1624	Reporting_Limit_Type	0004	RL		
A1	1625	Reporting_Limit_Type	0004	RL		
A1	1626	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1627	Reporting_Limit_Type	0004	RL		
A1	1628	Reporting_Limit_Type	0004	RL		
A1	1629	Reporting_Limit_Type	0004	RL		
A1	1630	Reporting_Limit_Type	0004	RL		
A1	1631	Reporting_Limit_Type	0004	RL		
A1	1632	Reporting_Limit_Type	0004	RL		
A1	1633	Reporting_Limit_Type	0004	RL		
A1	1634	Reporting_Limit_Type	0004	RL		
A1	1635	Reporting_Limit_Type	0004	RL		
A1	1636	Reporting_Limit_Type	0004	RL		
A1	1637	Reporting_Limit_Type	0004	RL		
A1	1638	Reporting_Limit_Type	0004	RL		
A1	1639	Reporting_Limit_Type	0004	RL		
A1	1640	Reporting_Limit_Type	0004	RL		
A1	1641	Reporting_Limit_Type	0004	RL		
A1	1642	Reporting_Limit_Type	0004	RL		
A1	1643	Reporting_Limit_Type	0004	RL		
A1	1644	Reporting_Limit_Type	0004	RL		
A1	1645	Reporting_Limit_Type	0004	RL		
A1	1646	Reporting_Limit_Type	0004	RL		
A1	1647	Reporting_Limit_Type	0004	RL		
A1	1648	Reporting_Limit_Type	0004	RL		
A1	1649	Reporting_Limit_Type	0004	RL		
A1	1650	Reporting_Limit_Type	0004	RL		
A1	1651	Reporting_Limit_Type	0004	RL		
A1	1652	Reporting_Limit_Type	0004	RL		
A1	1653	Reporting_Limit_Type	0004	RL		
A1	1654	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1655	Reporting_Limit_Type	0004	RL		
A1	1656	Reporting_Limit_Type	0004	RL		
A1	1657	Reporting_Limit_Type	0004	RL		
A1	1658	Reporting_Limit_Type	0004	RL		
A1	1659	Reporting_Limit_Type	0004	RL		
A1	1660	Reporting_Limit_Type	0004	RL		
A1	1661	Reporting_Limit_Type	0004	RL		
A1	1662	Reporting_Limit_Type	0004	RL		
A1	1663	Reporting_Limit_Type	0004	RL		
A1	1664	Reporting_Limit_Type	0004	RL		
A1	1665	Reporting_Limit_Type	0004	RL		
A1	1666	Reporting_Limit_Type	0004	RL		
A1	1667	Reporting_Limit_Type	0004	RL		
A1	1668	Reporting_Limit_Type	0004	RL		
A1	1669	Reporting_Limit_Type	0004	RL		
A1	1670	Reporting_Limit_Type	0004	RL		
A1	1671	Reporting_Limit_Type	0004	RL		
A1	1672	Reporting_Limit_Type	0004	RL		
A1	1673	Reporting_Limit_Type	0004	RL		
A1	1674	Reporting_Limit_Type	0004	RL		
A1	1675	Reporting_Limit_Type	0004	RL		
A1	1676	Reporting_Limit_Type	0004	RL		
A1	1677	Reporting_Limit_Type	0004	RL		
A1	1678	Reporting_Limit_Type	0004	RL		
A1	1679	Reporting_Limit_Type	0004	RL		
A1	1680	Reporting_Limit_Type	0004	RL		
A1	1681	Reporting_Limit_Type	0004	RL		
A1	1682	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1683	Reporting_Limit_Type	0004	RL		
A1	1684	Reporting_Limit_Type	0004	RL		
A1	1685	Reporting_Limit_Type	0004	RL		
A1	1686	Reporting_Limit_Type	0004	RL		
A1	1687	Reporting_Limit_Type	0004	RL		
A1	1688	Reporting_Limit_Type	0004	RL		
A1	1689	Reporting_Limit_Type	0004	RL		
A1	1690	Reporting_Limit_Type	0004	RL		
A1	1691	Reporting_Limit_Type	0004	RL		
A1	1692	Reporting_Limit_Type	0004	RL		
A1	1693	Reporting_Limit_Type	0004	RL		
A1	1694	Reporting_Limit_Type	0004	RL		
A1	1695	Reporting_Limit_Type	0004	RL		
A1	1696	Reporting_Limit_Type	0004	RL		
A1	1697	Reporting_Limit_Type	0004	RL		
A1	1698	Reporting_Limit_Type	0004	RL		
A1	1699	Reporting_Limit_Type	0004	RL		
A1	1700	Reporting_Limit_Type	0004	RL		
A1	1701	Reporting_Limit_Type	0004	RL		
A1	1702	Reporting_Limit_Type	0004	RL		
A1	1703	Reporting_Limit_Type	0004	RL		
A1	1704	Reporting_Limit_Type	0004	RL		
A1	1705	Reporting_Limit_Type	0004	RL		
A1	1706	Reporting_Limit_Type	0004	RL		
A1	1707	Reporting_Limit_Type	0004	RL		
A1	1708	Reporting_Limit_Type	0004	RL		
A1	1709	Reporting_Limit_Type	0004	RL		
A1	1710	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1711	Reporting_Limit_Type	0004	RL		
A1	1712	Reporting_Limit_Type	0004	RL		
A1	1713	Reporting_Limit_Type	0004	RL		
A1	1714	Reporting_Limit_Type	0004	RL		
A1	1715	Reporting_Limit_Type	0004	RL		
A1	1716	Reporting_Limit_Type	0004	RL		
A1	1717	Reporting_Limit_Type	0004	RL		
A1	1718	Reporting_Limit_Type	0004	RL		
A1	1719	Reporting_Limit_Type	0004	RL		
A1	1720	Reporting_Limit_Type	0004	RL		
A1	1721	Reporting_Limit_Type	0004	RL		
A1	1722	Reporting_Limit_Type	0004	RL		
A1	1723	Reporting_Limit_Type	0004	RL		
A1	1724	Reporting_Limit_Type	0004	RL		
A1	1725	Reporting_Limit_Type	0004	RL		
A1	1726	Reporting_Limit_Type	0004	RL		
A1	1727	Reporting_Limit_Type	0004	RL		
A1	1728	Reporting_Limit_Type	0004	RL		
A1	1729	Reporting_Limit_Type	0004	RL		
A1	1730	Reporting_Limit_Type	0004	RL		
A1	1731	Reporting_Limit_Type	0004	RL		
A1	1732	Reporting_Limit_Type	0004	RL		
A1	1733	Reporting_Limit_Type	0004	RL		
A1	1734	Reporting_Limit_Type	0004	RL		
A1	1735	Reporting_Limit_Type	0004	RL		
A1	1736	Reporting_Limit_Type	0004	RL		
A1	1737	Reporting_Limit_Type	0004	RL		
A1	1738	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1739	Reporting_Limit_Type	0004	RL		
A1	1740	Reporting_Limit_Type	0004	RL		
A1	1741	Reporting_Limit_Type	0004	RL		
A1	1742	Reporting_Limit_Type	0004	RL		
A1	1743	Reporting_Limit_Type	0004	RL		
A1	1744	Reporting_Limit_Type	0004	RL		
A1	1745	Reporting_Limit_Type	0004	RL		
A1	1746	Reporting_Limit_Type	0004	RL		
A1	1747	Reporting_Limit_Type	0004	RL		
A1	1748	Reporting_Limit_Type	0004	RL		
A1	1749	Reporting_Limit_Type	0004	RL		
A1	1750	Reporting_Limit_Type	0004	RL		
A1	1751	Reporting_Limit_Type	0004	RL		
A1	1752	Reporting_Limit_Type	0004	RL		
A1	1753	Reporting_Limit_Type	0004	RL		
A1	1754	Reporting_Limit_Type	0004	RL		
A1	1755	Reporting_Limit_Type	0004	RL		
A1	1756	Reporting_Limit_Type	0004	RL		
A1	1757	Reporting_Limit_Type	0004	RL		
A1	1758	Reporting_Limit_Type	0004	RL		
A1	1759	Reporting_Limit_Type	0004	RL		
A1	1760	Reporting_Limit_Type	0004	RL		
A1	1761	Reporting_Limit_Type	0004	RL		
A1	1762	Reporting_Limit_Type	0004	RL		
A1	1763	Reporting_Limit_Type	0004	RL		
A1	1764	Reporting_Limit_Type	0004	RL		
A1	1765	Reporting_Limit_Type	0004	RL		
A1	1766	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1767	Reporting_Limit_Type	0004	RL		
A1	1768	Reporting_Limit_Type	0004	RL		
A1	1769	Reporting_Limit_Type	0004	RL		
A1	1770	Reporting_Limit_Type	0004	RL		
A1	1771	Reporting_Limit_Type	0004	RL		
A1	1772	Reporting_Limit_Type	0004	RL		
A1	1773	Reporting_Limit_Type	0004	RL		
A1	1774	Reporting_Limit_Type	0004	RL		
A1	1775	Reporting_Limit_Type	0004	RL		
A1	1776	Reporting_Limit_Type	0004	RL		
A1	1777	Reporting_Limit_Type	0004	RL		
A1	1778	Reporting_Limit_Type	0004	RL		
A1	1779	Reporting_Limit_Type	0004	RL		
A1	1780	Reporting_Limit_Type	0004	RL		
A1	1781	Reporting_Limit_Type	0004	RL		
A1	1782	Reporting_Limit_Type	0004	RL		
A1	1783	Reporting_Limit_Type	0004	RL		
A1	1784	Reporting_Limit_Type	0004	RL		
A1	1785	Reporting_Limit_Type	0004	RL		
A1	1786	Reporting_Limit_Type	0004	RL		
A1	1787	Reporting_Limit_Type	0004	RL		
A1	1788	Reporting_Limit_Type	0004	RL		
A1	1789	Reporting_Limit_Type	0004	RL		
A1	1790	Reporting_Limit_Type	0004	RL		
A1	1791	Reporting_Limit_Type	0004	RL		
A1	1792	Reporting_Limit_Type	0004	RL		
A1	1793	Reporting_Limit_Type	0004	RL		
A1	1794	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1795	Reporting_Limit_Type	0004	RL		
A1	1796	Reporting_Limit_Type	0004	RL		
A1	1797	Reporting_Limit_Type	0004	RL		
A1	1798	Reporting_Limit_Type	0004	RL		
A1	1799	Reporting_Limit_Type	0004	RL		
A1	1800	Reporting_Limit_Type	0004	RL		
A1	1801	Reporting_Limit_Type	0004	RL		
A1	1802	Reporting_Limit_Type	0004	RL		
A1	1803	Reporting_Limit_Type	0004	RL		
A1	1804	Reporting_Limit_Type	0004	RL		
A1	1805	Reporting_Limit_Type	0004	RL		
A1	1806	Reporting_Limit_Type	0004	RL		
A1	1807	Reporting_Limit_Type	0004	RL		
A1	1808	Reporting_Limit_Type	0004	RL		
A1	1809	Reporting_Limit_Type	0004	RL		
A1	1810	Reporting_Limit_Type	0004	RL		
A1	1811	Reporting_Limit_Type	0004	RL		
A1	1812	Reporting_Limit_Type	0004	RL		
A1	1813	Reporting_Limit_Type	0004	RL		
A1	1814	Reporting_Limit_Type	0004	RL		
A1	1815	Reporting_Limit_Type	0004	RL		
A1	1816	Reporting_Limit_Type	0004	RL		
A1	1817	Reporting_Limit_Type	0004	RL		
A1	1818	Reporting_Limit_Type	0004	RL		
A1	1819	Reporting_Limit_Type	0004	RL		
A1	1820	Reporting_Limit_Type	0004	RL		
A1	1821	Reporting_Limit_Type	0004	RL		
A1	1822	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1823	Reporting_Limit_Type	0004	RL		
A1	1824	Reporting_Limit_Type	0004	RL		
A1	1825	Reporting_Limit_Type	0004	RL		
A1	1826	Reporting_Limit_Type	0004	RL		
A1	1827	Reporting_Limit_Type	0004	RL		
A1	1828	Reporting_Limit_Type	0004	RL		
A1	1829	Reporting_Limit_Type	0004	RL		
A1	1830	Reporting_Limit_Type	0004	RL		
A1	1831	Reporting_Limit_Type	0004	RL		
A1	1832	Reporting_Limit_Type	0004	RL		
A1	1833	Reporting_Limit_Type	0004	RL		
A1	1834	Reporting_Limit_Type	0004	RL		
A1	1835	Reporting_Limit_Type	0004	RL		
A1	1836	Reporting_Limit_Type	0004	RL		
A1	1837	Reporting_Limit_Type	0004	RL		
A1	1838	Reporting_Limit_Type	0004	RL		
A1	1839	Reporting_Limit_Type	0004	RL		
A1	1840	Reporting_Limit_Type	0004	RL		
A1	1841	Reporting_Limit_Type	0004	RL		
A1	1842	Reporting_Limit_Type	0004	RL		
A1	1843	Reporting_Limit_Type	0004	RL		
A1	1844	Reporting_Limit_Type	0004	RL		
A1	1845	Reporting_Limit_Type	0004	RL		
A1	1846	Reporting_Limit_Type	0004	RL		
A1	1847	Reporting_Limit_Type	0004	RL		
A1	1848	Reporting_Limit_Type	0004	RL		
A1	1849	Reporting_Limit_Type	0004	RL		
A1	1850	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1851	Reporting_Limit_Type	0004	RL		
A1	1852	Reporting_Limit_Type	0004	RL		
A1	1853	Reporting_Limit_Type	0004	RL		
A1	1854	Reporting_Limit_Type	0004	RL		
A1	1855	Reporting_Limit_Type	0004	RL		
A1	1856	Reporting_Limit_Type	0004	RL		
A1	1857	Reporting_Limit_Type	0004	RL		
A1	1858	Reporting_Limit_Type	0004	RL		
A1	1859	Reporting_Limit_Type	0004	RL		
A1	1860	Reporting_Limit_Type	0004	RL		
A1	1861	Reporting_Limit_Type	0004	RL		
A1	1862	Reporting_Limit_Type	0004	RL		
A1	1863	Reporting_Limit_Type	0004	RL		
A1	1864	Reporting_Limit_Type	0004	RL		
A1	1865	Reporting_Limit_Type	0004	RL		
A1	1866	Reporting_Limit_Type	0004	RL		
A1	1867	Reporting_Limit_Type	0004	RL		
A1	1868	Reporting_Limit_Type	0004	RL		
A1	1869	Reporting_Limit_Type	0004	RL		
A1	1870	Reporting_Limit_Type	0004	RL		
A1	1871	Reporting_Limit_Type	0004	RL		
A1	1872	Reporting_Limit_Type	0004	RL		
A1	1873	Reporting_Limit_Type	0004	RL		
A1	1874	Reporting_Limit_Type	0004	RL		
A1	1875	Reporting_Limit_Type	0004	RL		
A1	1876	Reporting_Limit_Type	0004	RL		
A1	1877	Reporting_Limit_Type	0004	RL		
A1	1878	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1879	Reporting_Limit_Type	0004 RL		
A1	1880	Reporting_Limit_Type	0004 RL		
A1	1881	Reporting_Limit_Type	0004 RL		
A1	1882	Reporting_Limit_Type	0004 RL		
A1	1883	Reporting_Limit_Type	0004 RL		
A1	1884	Reporting_Limit_Type	0004 RL		
A1	1885	Reporting_Limit_Type	0004 RL		
A1	1886	Reporting_Limit_Type	0004 RL		
A1	1887	Reporting_Limit_Type	0004 RL		
A1	1888	Reporting_Limit_Type	0004 RL		
A1	1889	Reporting_Limit_Type	0004 RL		
A1	1890	Reporting_Limit_Type	0004 RL		
A1	1891	Reporting_Limit_Type	0004 RL		
A1	1892	Reporting_Limit_Type	0004 RL		
A1	1893	Reporting_Limit_Type	0004 RL		
A1	1894	Reporting_Limit_Type	0004 RL		
A1	1895	Reporting_Limit_Type	0004 RL		
A1	1896	Reporting_Limit_Type	0004 RL		
A1	1897	Reporting_Limit_Type	0004 RL		
A1	1898	Reporting_Limit_Type	0004 RL		
A1	1899	Reporting_Limit_Type	0004 RL		
A1	1900	Reporting_Limit_Type	0004 RL		
A1	1901	Reporting_Limit_Type	0004 RL		
A1	1902	Reporting_Limit_Type	0004 RL		
A1	1903	Reporting_Limit_Type	0004 RL		
A1	1904	Reporting_Limit_Type	0004 RL		
A1	1905	Reporting_Limit_Type	0004 RL		
A1	1906	Reporting_Limit_Type	0004 RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1907	Reporting_Limit_Type	0004	RL		
A1	1908	Reporting_Limit_Type	0004	RL		
A1	1909	Reporting_Limit_Type	0004	RL		
A1	1910	Reporting_Limit_Type	0004	RL		
A1	1911	Reporting_Limit_Type	0004	RL		
A1	1912	Reporting_Limit_Type	0004	RL		
A1	1913	Reporting_Limit_Type	0004	RL		
A1	1914	Reporting_Limit_Type	0004	RL		
A1	1915	Reporting_Limit_Type	0004	RL		
A1	1916	Reporting_Limit_Type	0004	RL		
A1	1917	Reporting_Limit_Type	0004	RL		
A1	1918	Reporting_Limit_Type	0004	RL		
A1	1919	Reporting_Limit_Type	0004	RL		
A1	1920	Reporting_Limit_Type	0004	RL		
A1	1921	Reporting_Limit_Type	0004	RL		
A1	1922	Reporting_Limit_Type	0004	RL		
A1	1923	Reporting_Limit_Type	0004	RL		
A1	1924	Reporting_Limit_Type	0004	RL		
A1	1925	Reporting_Limit_Type	0004	RL		
A1	1926	Reporting_Limit_Type	0004	RL		
A1	1927	Reporting_Limit_Type	0004	RL		
A1	1928	Reporting_Limit_Type	0004	RL		
A1	1929	Reporting_Limit_Type	0004	RL		
A1	1930	Reporting_Limit_Type	0004	RL		
A1	1931	Reporting_Limit_Type	0004	RL		
A1	1932	Reporting_Limit_Type	0004	RL		
A1	1933	Reporting_Limit_Type	0004	RL		
A1	1934	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1935	Reporting_Limit_Type	0004	RL		
A1	1936	Reporting_Limit_Type	0004	RL		
A1	1937	Reporting_Limit_Type	0004	RL		
A1	1938	Reporting_Limit_Type	0004	RL		
A1	1939	Reporting_Limit_Type	0004	RL		
A1	1940	Reporting_Limit_Type	0004	RL		
A1	1941	Reporting_Limit_Type	0004	RL		
A1	1942	Reporting_Limit_Type	0004	RL		
A1	1943	Reporting_Limit_Type	0004	RL		
A1	1944	Reporting_Limit_Type	0004	RL		
A1	1945	Reporting_Limit_Type	0004	RL		
A1	1946	Reporting_Limit_Type	0004	RL		
A1	1947	Reporting_Limit_Type	0004	RL		
A1	1948	Reporting_Limit_Type	0004	RL		
A1	1949	Reporting_Limit_Type	0004	RL		
A1	1950	Reporting_Limit_Type	0004	RL		
A1	1951	Reporting_Limit_Type	0004	RL		
A1	1952	Reporting_Limit_Type	0004	RL		
A1	1953	Reporting_Limit_Type	0004	RL		
A1	1954	Reporting_Limit_Type	0004	RL		
A1	1955	Reporting_Limit_Type	0004	RL		
A1	1956	Reporting_Limit_Type	0004	RL		
A1	1957	Reporting_Limit_Type	0004	RL		
A1	1958	Reporting_Limit_Type	0004	RL		
A1	1959	Reporting_Limit_Type	0004	RL		
A1	1960	Reporting_Limit_Type	0004	RL		
A1	1961	Reporting_Limit_Type	0004	RL		
A1	1962	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1963	Reporting_Limit_Type	0004	RL		
A1	1964	Reporting_Limit_Type	0004	RL		
A1	1965	Reporting_Limit_Type	0004	RL		
A1	1966	Reporting_Limit_Type	0004	RL		
A1	1967	Reporting_Limit_Type	0004	RL		
A1	1968	Reporting_Limit_Type	0004	RL		
A1	1969	Reporting_Limit_Type	0004	RL		
A1	1970	Reporting_Limit_Type	0004	RL		
A1	1971	Reporting_Limit_Type	0004	RL		
A1	1972	Reporting_Limit_Type	0004	RL		
A1	1973	Reporting_Limit_Type	0004	RL		
A1	1974	Reporting_Limit_Type	0004	RL		
A1	1975	Reporting_Limit_Type	0004	RL		
A1	1976	Reporting_Limit_Type	0004	RL		
A1	1977	Reporting_Limit_Type	0004	RL		
A1	1978	Reporting_Limit_Type	0004	RL		
A1	1979	Reporting_Limit_Type	0004	RL		
A1	1980	Reporting_Limit_Type	0004	RL		
A1	1981	Reporting_Limit_Type	0004	RL		
A1	1982	Reporting_Limit_Type	0004	RL		
A1	1983	Reporting_Limit_Type	0004	RL		
A1	1984	Reporting_Limit_Type	0004	RL		
A1	1985	Reporting_Limit_Type	0004	RL		
A1	1986	Reporting_Limit_Type	0004	RL		
A1	1987	Reporting_Limit_Type	0004	RL		
A1	1988	Reporting_Limit_Type	0004	RL		
A1	1989	Reporting_Limit_Type	0004	RL		
A1	1990	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1991	Reporting_Limit_Type	0004	RL		
A1	1992	Reporting_Limit_Type	0004	RL		
A1	1993	Reporting_Limit_Type	0004	RL		
A1	1994	Reporting_Limit_Type	0004	RL		
A1	1995	Reporting_Limit_Type	0004	RL		
A1	1996	Reporting_Limit_Type	0004	RL		
A1	1997	Reporting_Limit_Type	0004	RL		
A1	1998	Reporting_Limit_Type	0004	RL		
A1	1999	Reporting_Limit_Type	0004	RL		
A1	2000	Reporting_Limit_Type	0004	RL		
A1	2001	Reporting_Limit_Type	0004	RL		
A1	2002	Reporting_Limit_Type	0004	RL		
A1	2003	Reporting_Limit_Type	0004	RL		
A1	2004	Reporting_Limit_Type	0004	RL		
A1	2005	Reporting_Limit_Type	0004	RL		
A1	2006	Reporting_Limit_Type	0004	RL		
A1	2007	Reporting_Limit_Type	0004	RL		
A1	2008	Reporting_Limit_Type	0004	RL		
A1	2009	Reporting_Limit_Type	0004	RL		
A1	2010	Reporting_Limit_Type	0004	RL		
A1	2011	Reporting_Limit_Type	0004	RL		
A1	2012	Reporting_Limit_Type	0004	RL		
A1	2013	Reporting_Limit_Type	0004	RL		
A1	2014	Reporting_Limit_Type	0004	RL		
A1	2015	Reporting_Limit_Type	0004	RL		
A1	2016	Reporting_Limit_Type	0004	RL		
A1	2017	Reporting_Limit_Type	0004	RL		
A1	2018	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2019	Reporting_Limit_Type	0004	RL		
A1	2020	Reporting_Limit_Type	0004	RL		
A1	2021	Reporting_Limit_Type	0004	RL		
A1	2022	Reporting_Limit_Type	0004	RL		
A1	2023	Reporting_Limit_Type	0004	RL		
A1	2024	Reporting_Limit_Type	0004	RL		
A1	2025	Reporting_Limit_Type	0004	RL		
A1	2026	Reporting_Limit_Type	0004	RL		
A1	2027	Reporting_Limit_Type	0004	RL		
A1	2028	Reporting_Limit_Type	0004	RL		
A1	2029	Reporting_Limit_Type	0004	RL		
A1	2030	Reporting_Limit_Type	0004	RL		
A1	2031	Reporting_Limit_Type	0004	RL		
A1	2032	Reporting_Limit_Type	0004	RL		
A1	2033	Reporting_Limit_Type	0004	RL		
A1	2034	Reporting_Limit_Type	0004	RL		
A1	2035	Reporting_Limit_Type	0004	RL		
A1	2036	Reporting_Limit_Type	0004	RL		
A1	2037	Reporting_Limit_Type	0004	RL		
A1	2038	Reporting_Limit_Type	0004	RL		
A1	2039	Reporting_Limit_Type	0004	RL		
A1	2040	Reporting_Limit_Type	0004	RL		
A1	2041	Reporting_Limit_Type	0004	RL		
A1	2042	Reporting_Limit_Type	0004	RL		
A1	2043	Reporting_Limit_Type	0004	RL		
A1	2044	Reporting_Limit_Type	0004	RL		
A1	2045	Reporting_Limit_Type	0004	RL		
A1	2046	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	2047	Reporting_Limit_Type	0004 RL		
A1	2048	Reporting_Limit_Type	0004 RL		
A1	2049	Reporting_Limit_Type	0004 RL		
A1	2050	Reporting_Limit_Type	0004 RL		
A1	2051	Reporting_Limit_Type	0004 RL		
A1	2052	Reporting_Limit_Type	0004 RL		
A1	2053	Reporting_Limit_Type	0004 RL		
A1	2054	Reporting_Limit_Type	0004 RL		
A1	2055	Reporting_Limit_Type	0004 RL		
A1	2056	Reporting_Limit_Type	0004 RL		
A1	2057	Reporting_Limit_Type	0004 RL		
A1	2058	Reporting_Limit_Type	0004 RL		
A1	2059	Reporting_Limit_Type	0004 RL		
A1	2060	Reporting_Limit_Type	0004 RL		
A1	2061	Reporting_Limit_Type	0004 RL		
A1	2062	Reporting_Limit_Type	0004 RL		
A1	2063	Reporting_Limit_Type	0004 RL		
A1	2064	Reporting_Limit_Type	0004 RL		
A1	2065	Reporting_Limit_Type	0004 RL		
A1	2066	Reporting_Limit_Type	0004 RL		
A1	2067	Reporting_Limit_Type	0004 RL		
A1	2068	Reporting_Limit_Type	0004 RL		
A1	2069	Reporting_Limit_Type	0004 RL		
A1	2070	Reporting_Limit_Type	0004 RL		
A1	2071	Reporting_Limit_Type	0004 RL		
A1	2072	Reporting_Limit_Type	0004 RL		
A1	2073	Reporting_Limit_Type	0004 RL		
A1	2074	Reporting_Limit_Type	0004 RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2075	Reporting_Limit_Type	0004	RL		
A1	2076	Reporting_Limit_Type	0004	RL		
A1	2077	Reporting_Limit_Type	0004	RL		
A1	2078	Reporting_Limit_Type	0004	RL		
A1	2079	Reporting_Limit_Type	0004	RL		
A1	2080	Reporting_Limit_Type	0004	RL		
A1	2081	Reporting_Limit_Type	0004	RL		
A1	2082	Reporting_Limit_Type	0004	RL		
A1	2083	Reporting_Limit_Type	0004	RL		
A1	2084	Reporting_Limit_Type	0004	RL		
A1	2085	Reporting_Limit_Type	0004	RL		
A1	2086	Reporting_Limit_Type	0004	RL		
A1	2087	Reporting_Limit_Type	0004	RL		
A1	2088	Reporting_Limit_Type	0004	RL		
A1	2089	Reporting_Limit_Type	0004	RL		
A1	2090	Reporting_Limit_Type	0004	RL		
A1	2091	Reporting_Limit_Type	0004	RL		
A1	2092	Reporting_Limit_Type	0004	RL		
A1	2093	Reporting_Limit_Type	0004	RL		
A1	2094	Reporting_Limit_Type	0004	RL		
A1	2095	Reporting_Limit_Type	0004	RL		
A1	2096	Reporting_Limit_Type	0004	RL		
A1	2097	Reporting_Limit_Type	0004	RL		
A1	2098	Reporting_Limit_Type	0004	RL		
A1	2099	Reporting_Limit_Type	0004	RL		
A1	2100	Reporting_Limit_Type	0004	RL		
A1	2101	Reporting_Limit_Type	0004	RL		
A1	2102	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2103	Reporting_Limit_Type	0004	RL		
A1	2104	Reporting_Limit_Type	0004	RL		
A1	2105	Reporting_Limit_Type	0004	RL		
A1	2106	Reporting_Limit_Type	0004	RL		
A1	2107	Reporting_Limit_Type	0004	RL		
A1	2108	Reporting_Limit_Type	0004	RL		
A1	2109	Reporting_Limit_Type	0004	RL		
A1	2110	Reporting_Limit_Type	0004	RL		
A1	2111	Reporting_Limit_Type	0004	RL		
A1	2112	Reporting_Limit_Type	0004	RL		
A1	2113	Reporting_Limit_Type	0004	RL		
A1	2114	Reporting_Limit_Type	0004	RL		
A1	2115	Reporting_Limit_Type	0004	RL		
A1	2116	Reporting_Limit_Type	0004	RL		
A1	2117	Reporting_Limit_Type	0004	RL		
A1	2118	Reporting_Limit_Type	0004	RL		
A1	2119	Reporting_Limit_Type	0004	RL		
A1	2120	Reporting_Limit_Type	0004	RL		
A1	2121	Reporting_Limit_Type	0004	RL		
A1	2122	Reporting_Limit_Type	0004	RL		
A1	2123	Reporting_Limit_Type	0004	RL		
A1	2124	Reporting_Limit_Type	0004	RL		
A1	2125	Reporting_Limit_Type	0004	RL		
A1	2126	Reporting_Limit_Type	0004	RL		
A1	2127	Reporting_Limit_Type	0004	RL		
A1	2128	Reporting_Limit_Type	0004	RL		
A1	2129	Reporting_Limit_Type	0004	RL		
A1	2130	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2131	Reporting_Limit_Type	0004	RL		
A1	2132	Reporting_Limit_Type	0004	RL		
A1	2133	Reporting_Limit_Type	0004	RL		
A1	2134	Reporting_Limit_Type	0004	RL		
A1	2135	Reporting_Limit_Type	0004	RL		
A1	2136	Reporting_Limit_Type	0004	RL		
A1	2137	Reporting_Limit_Type	0004	RL		
A1	2138	Reporting_Limit_Type	0004	RL		
A1	2139	Reporting_Limit_Type	0004	RL		
A1	2140	Reporting_Limit_Type	0004	RL		
A1	2141	Reporting_Limit_Type	0004	RL		
A1	2142	Reporting_Limit_Type	0004	RL		
A1	2143	Reporting_Limit_Type	0004	RL		
A1	2144	Reporting_Limit_Type	0004	RL		
A1	2145	Reporting_Limit_Type	0004	RL		
A1	2146	Reporting_Limit_Type	0004	RL		
A1	2147	Reporting_Limit_Type	0004	RL		
A1	2148	Reporting_Limit_Type	0004	RL		
A1	2149	Reporting_Limit_Type	0004	RL		
A1	2150	Reporting_Limit_Type	0004	RL		
A1	2151	Reporting_Limit_Type	0004	RL		
A1	2152	Reporting_Limit_Type	0004	RL		
A1	2153	Reporting_Limit_Type	0004	RL		
A1	2154	Reporting_Limit_Type	0004	RL		
A1	2155	Reporting_Limit_Type	0004	RL		
A1	2156	Reporting_Limit_Type	0004	RL		
A1	2157	Reporting_Limit_Type	0004	RL		
A1	2158	Reporting_Limit_Type	0004	RL		

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Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2159	Reporting_Limit_Type	0004	RL		
A1	2160	Reporting_Limit_Type	0004	RL		
A1	2161	Reporting_Limit_Type	0004	RL		
A1	2162	Reporting_Limit_Type	0004	RL		
A1	2163	Reporting_Limit_Type	0004	RL		
A1	2164	Reporting_Limit_Type	0004	RL		
A1	2165	Reporting_Limit_Type	0004	RL		
A1	2166	Reporting_Limit_Type	0004	RL		
A1	2167	Reporting_Limit_Type	0004	RL		
A1	2168	Reporting_Limit_Type	0004	RL		
A1	2169	Reporting_Limit_Type	0004	RL		
A1	2170	Reporting_Limit_Type	0004	RL		
A1	2171	Reporting_Limit_Type	0004	RL		
A1	2172	Reporting_Limit_Type	0004	RL		
A1	2173	Reporting_Limit_Type	0004	RL		
A1	2174	Reporting_Limit_Type	0004	RL		
A1	2175	Reporting_Limit_Type	0004	RL		
A1	2176	Reporting_Limit_Type	0004	RL		
A1	2177	Reporting_Limit_Type	0004	RL		
A1	2178	Reporting_Limit_Type	0004	RL		
A1	2179	Reporting_Limit_Type	0004	RL		
A1	2180	Reporting_Limit_Type	0004	RL		
A1	2181	Reporting_Limit_Type	0004	RL		
A1	2182	Reporting_Limit_Type	0004	RL		
A1	2183	Reporting_Limit_Type	0004	RL		
A1	2184	Reporting_Limit_Type	0004	RL		
A1	2185	Reporting_Limit_Type	0004	RL		
A1	2186	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2187	Reporting_Limit_Type	0004	RL		
A1	2188	Reporting_Limit_Type	0004	RL		
A1	2189	Reporting_Limit_Type	0004	RL		
A1	2190	Reporting_Limit_Type	0004	RL		
A1	2191	Reporting_Limit_Type	0004	RL		
A1	2192	Reporting_Limit_Type	0004	RL		
A1	2193	Reporting_Limit_Type	0004	RL		
A1	2194	Reporting_Limit_Type	0004	RL		
A1	2195	Reporting_Limit_Type	0004	RL		
A1	2196	Reporting_Limit_Type	0004	RL		
A1	2197	Reporting_Limit_Type	0004	RL		
A1	2198	Reporting_Limit_Type	0004	RL		
A1	2199	Reporting_Limit_Type	0004	RL		
A1	2200	Reporting_Limit_Type	0004	RL		
A1	2201	Reporting_Limit_Type	0004	RL		
A1	2202	Reporting_Limit_Type	0004	RL		
A1	2203	Reporting_Limit_Type	0004	RL		
A1	2204	Reporting_Limit_Type	0004	RL		
A1	2205	Reporting_Limit_Type	0004	RL		
A1	2206	Reporting_Limit_Type	0004	RL		
A1	2207	Reporting_Limit_Type	0004	RL		
A1	2208	Reporting_Limit_Type	0004	RL		
A1	2209	Reporting_Limit_Type	0004	RL		
A1	2210	Reporting_Limit_Type	0004	RL		
A1	2211	Reporting_Limit_Type	0004	RL		
A1	2212	Reporting_Limit_Type	0004	RL		
A1	2213	Reporting_Limit_Type	0004	RL		
A1	2214	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2215	Reporting_Limit_Type	0004	RL		
A1	2216	Reporting_Limit_Type	0004	RL		
A1	2217	Reporting_Limit_Type	0004	RL		
A1	2218	Reporting_Limit_Type	0004	RL		
A1	2219	Reporting_Limit_Type	0004	RL		
A1	2220	Reporting_Limit_Type	0004	RL		
A1	2221	Reporting_Limit_Type	0004	RL		
A1	2222	Reporting_Limit_Type	0004	RL		
A1	2223	Reporting_Limit_Type	0004	RL		
A1	2224	Reporting_Limit_Type	0004	RL		
A1	2225	Reporting_Limit_Type	0004	RL		
A1	2226	Reporting_Limit_Type	0004	RL		
A1	2227	Reporting_Limit_Type	0004	RL		
A1	2228	Reporting_Limit_Type	0004	RL		
A1	2229	Reporting_Limit_Type	0004	RL		
A1	2230	Reporting_Limit_Type	0004	RL		
A1	2231	Reporting_Limit_Type	0004	RL		
A1	2232	Reporting_Limit_Type	0004	RL		
A1	2233	Reporting_Limit_Type	0004	RL		
A1	2234	Reporting_Limit_Type	0004	RL		
A1	2235	Reporting_Limit_Type	0004	RL		
A1	2236	Reporting_Limit_Type	0004	RL		
A1	2237	Reporting_Limit_Type	0004	RL		
A1	2238	Reporting_Limit_Type	0004	RL		
A1	2239	Reporting_Limit_Type	0004	RL		
A1	2240	Reporting_Limit_Type	0004	RL		
A1	2241	Reporting_Limit_Type	0004	RL		
A1	2242	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2243	Reporting_Limit_Type	0004	RL		
A1	2244	Reporting_Limit_Type	0004	RL		
A1	2245	Reporting_Limit_Type	0004	RL		
A1	2246	Reporting_Limit_Type	0004	RL		
A1	2247	Reporting_Limit_Type	0004	RL		
A1	2248	Reporting_Limit_Type	0004	RL		
A1	2249	Reporting_Limit_Type	0004	RL		
A1	2250	Reporting_Limit_Type	0004	RL		
A1	2251	Reporting_Limit_Type	0004	RL		
A1	2252	Reporting_Limit_Type	0004	RL		
A1	2253	Reporting_Limit_Type	0004	RL		
A1	2254	Reporting_Limit_Type	0004	RL		
A1	2255	Reporting_Limit_Type	0004	RL		
A1	2256	Reporting_Limit_Type	0004	RL		
A1	2257	Reporting_Limit_Type	0004	RL		
A1	2258	Reporting_Limit_Type	0004	RL		
A1	2259	Reporting_Limit_Type	0004	RL		
A1	2260	Reporting_Limit_Type	0004	RL		
A1	2261	Reporting_Limit_Type	0004	RL		
A1	2262	Reporting_Limit_Type	0004	RL		
A1	2263	Reporting_Limit_Type	0004	RL		
A1	2264	Reporting_Limit_Type	0004	RL		
A1	2265	Reporting_Limit_Type	0004	RL		
A1	2266	Reporting_Limit_Type	0004	RL		
A1	2267	Reporting_Limit_Type	0004	RL		
A1	2268	Reporting_Limit_Type	0004	RL		
A1	2269	Reporting_Limit_Type	0004	RL		
A1	2270	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2271	Reporting_Limit_Type	0004	RL		
A1	2272	Reporting_Limit_Type	0004	RL		
A1	2273	Reporting_Limit_Type	0004	RL		
A1	2274	Reporting_Limit_Type	0004	RL		
A1	2275	Reporting_Limit_Type	0004	RL		
A1	2276	Reporting_Limit_Type	0004	RL		
A1	2277	Reporting_Limit_Type	0004	RL		
A1	2278	Reporting_Limit_Type	0004	RL		
A1	2279	Reporting_Limit_Type	0004	RL		
A1	2280	Reporting_Limit_Type	0004	RL		
A1	2281	Reporting_Limit_Type	0004	RL		
A1	2282	Reporting_Limit_Type	0004	RL		
A1	2283	Reporting_Limit_Type	0004	RL		
A1	2284	Reporting_Limit_Type	0004	RL		
A1	2285	Reporting_Limit_Type	0004	RL		
A1	2286	Reporting_Limit_Type	0004	RL		
A1	2287	Reporting_Limit_Type	0004	RL		
A1	2288	Reporting_Limit_Type	0004	RL		
A1	2289	Reporting_Limit_Type	0004	RL		
A1	2290	Reporting_Limit_Type	0004	RL		
A1	2291	Reporting_Limit_Type	0004	RL		
A1	2292	Reporting_Limit_Type	0004	RL		
A1	2293	Reporting_Limit_Type	0004	RL		
A1	2294	Reporting_Limit_Type	0004	RL		
A1	2295	Reporting_Limit_Type	0004	RL		
A1	2296	Reporting_Limit_Type	0004	RL		
A1	2297	Reporting_Limit_Type	0004	RL		
A1	2298	Reporting_Limit_Type	0004	RL		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	2299	Reporting_Limit_Type	0004	RL		
A1	2300	Reporting_Limit_Type	0004	RL		
A1	2301	Reporting_Limit_Type	0004	RL		
A1	2302	Reporting_Limit_Type	0004	RL		
A1	2303	Reporting_Limit_Type	0004	RL		
A1	2304	Reporting_Limit_Type	0004	RL		
A1	2305	Reporting_Limit_Type	0004	RL		
A1	2306	Reporting_Limit_Type	0004	RL		
A1	2307	Reporting_Limit_Type	0004	RL		
A1	2308	Reporting_Limit_Type	0004	RL		
A1	2309	Reporting_Limit_Type	0004	RL		
A1	2310	Reporting_Limit_Type	0004	RL		
A1	2311	Reporting_Limit_Type	0004	RL		
A1	2312	Reporting_Limit_Type	0004	RL		
A1	2313	Reporting_Limit_Type	0004	RL		
A1	2314	Reporting_Limit_Type	0004	RL		
A1	2315	Reporting_Limit_Type	0004	RL		
A1	2316	Reporting_Limit_Type	0004	RL		
A1	2317	Reporting_Limit_Type	0004	RL		
A1	2318	Reporting_Limit_Type	0004	RL		
A1	2319	Reporting_Limit_Type	0004	RL		
A1	2320	Reporting_Limit_Type	0004	RL		
A1	2321	Reporting_Limit_Type	0004	RL		
A1	2322	Reporting_Limit_Type	0004	RL		
A1	2323	Reporting_Limit_Type	0004	RL		
A1	2324	Reporting_Limit_Type	0004	RL		
A1	2325	Reporting_Limit_Type	0004	RL		
A1	2326	Reporting_Limit_Type	0004	RL		

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Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	2327	Reporting_Limit_Type	0004	RL	
A1	2328	Reporting_Limit_Type	0004	RL	
A1	2329	Reporting_Limit_Type	0004	RL	
A1	2330	Reporting_Limit_Type	0004	RL	
A1	2331	Reporting_Limit_Type	0004	RL	
A1	2332	Reporting_Limit_Type	0004	RL	
A1	2333	Reporting_Limit_Type	0004	RL	
A1	2334	Reporting_Limit_Type	0004	RL	
A1	2335	Reporting_Limit_Type	0004	RL	
A1	2336	Reporting_Limit_Type	0004	RL	
A1	2337	Reporting_Limit_Type	0004	RL	
A1	2338	Reporting_Limit_Type	0004	RL	
A1	2339	Reporting_Limit_Type	0004	RL	
A1	2340	Reporting_Limit_Type	0004	RL	
A1	2341	Reporting_Limit_Type	0004	RL	
A1	2342	Reporting_Limit_Type	0004	RL	
A1	2343	Reporting_Limit_Type	0004	RL	
A1	2344	Reporting_Limit_Type	0004	RL	
A1	2345	Reporting_Limit_Type	0004	RL	
A1	2346	Reporting_Limit_Type	0004	RL	
A1	2347	Reporting_Limit_Type	0004	RL	
A1	2348	Reporting_Limit_Type	0004	RL	
A1	2349	Reporting_Limit_Type	0004	RL	
A1	2350	Reporting_Limit_Type	0004	RL	
A3		Project Number	0025	The project number "ECO-13-601" entered in one or more records does not match any of the project numbers entered in the standard values table.	
A3		Project Number	0025	The project name "B & B GROUNDWATER SAMPLING" entered in one or more records does not match any of the project names entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	1	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	2	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	3	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	6	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	7	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	8	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	9	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	10	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	13	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	14	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	15	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	16	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	17	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	18	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	20	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	21	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	22	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	25	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	26	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	27	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	28	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	29	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	30	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	31	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	32	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	33	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	34	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	37	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

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Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	38	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	39	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	40	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	41	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	42	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	45	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	46	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	47	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	50	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	51	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	52	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	53	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	54	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	55	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	57	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	58	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	59	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	62	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	63	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	64	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	66	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	67	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	68	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	71	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	72	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	73	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	74	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	75	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

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Table	Record	Field	Type	Description	Lab Comments
A3	76	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	79	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	80	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	81	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	83	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	84	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	87	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	88	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	89	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	90	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	91	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	92	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	94	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	95	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

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Lab Reporting Batch ID: 15D157

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	96	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	99	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	100	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	101	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	102	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	104	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	105	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	108	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	109	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	110	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	111	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	112	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	114	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	115	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	116	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	119	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	120	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	121	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	129	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	130	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	133	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	134	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	135	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	136	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	137	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	140	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	141	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	142	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	145	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	146	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	147	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	149	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	150	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	151	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	154	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	155	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	156	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	157	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	158	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	159	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	160	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	161	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	162	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	163	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	164	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	165	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	166	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	167	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	168	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	169	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	170	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	171	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	172	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	173	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	174	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	175	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	176	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	177	Preparation_Type	0004	The value "NONE" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

0001	*The number of characters entered in the field exceeds the number allowed for that field*
0002	*Non-numeric entry in a numeric field*
0003	*Non-date entry or incorrectly formatted date in a date field*
0004	*Value entered was not found in the Standard Value List (see Appendix B and C)*
0005	*Analytical Method, Analtye ID, Analyte Name, Matrix, and Units not found in the reference project library*
0006	*RPD value is missing from a MSD, LCSD, or laboratory duplicate sample*
0007	*Target analyte specified in library files not found in the EDD*
0008	*Discrepancy in related records found between the tables Sample Analysis and Analytical Result*
0009	*Required field is missing information*
0010	*Surrogate compounds specified in the reference project library are not found in table Analytical Results*
0011	*Surrogate compounds not specified in the reference project library are found in table Analytical Results*
0012	*Spike compounds specified in the reference project library are not found in table Analytical Results or vice versa*
0013	*Target analyte not specified in the reference project library is found in Analytical Results table*
0014	*Handling Batch ID (for leachates) is missing in Table A3*
0015	*Lab_Sample_ID can not have more than one matrix type assigned to it*
0016	*Analysis_Batch ID present in the Sample Analysis table is missing from the Laboratory Instrument table*
0017	*Analysis_Batch ID present in the Laboratory Instrument table is missing from the Sample Analysis table*
0018	*Run_Batch present in the Sample Analysis table is missing from the Laboratory Instrument table*
0019	*Run_Batch present in the Laboratory Instrument table is missing from the Sample Analysis table*
0020	*Target analytes and surrogates not specified in the reference project library are found in the Laboratory Intrument table*
0021	*Analysis_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS continuing calibration (QC_Type = CCV)*
0022	*Run_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS initial calibration (QC_Type = IC)*
0023	*Incorrect naming or inconsistent collection date for MS/MSD sample and/or parent sample*
0024	*Problems with %RSD, Correlation Coefficient, and/or RRFs reported for GC/MS calibration records.*
0025	*Project Number or Project Name reported in the EDD not found in the Standard Value table*
0026	*Result value for a non-detected analyte does not match the Reporting_Limit value as reported in the EDD*
0027	*ClientSampleID present in Analytical Results table but missing in the Sample Analysis table or vice versa*
0028	*Missing associated Method Blank records for a specific Preparation Batch / Analytical Method*
0029	*Missing associated Laboratory Control Sample records for a specific Preparation Batch / Analytical Method*
0030	*Missing associated Matrix Spike / Duplicate records for a specific Method Batch / Analytical Method*
0031	*Record specified in the reference project library not found in the Analytical Results table where Reportable Result = Yes*
0032	*Duplicate records found in table Analytical Results for fields ClientSampleID, Collected, AnalyticalMethod, AnalytedID where Reportable_Result = Yes*
0033	*Missing calibration records in Table A2*

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 15D157

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 6/24/2015 22:41**

0034	*Report Limit from table Analytical Results exceeds the value in the reference project library (corrected for dilution and perc moist, if appl)*
0035	*Missing target analytes in IC, ICV, CV, or CCV*
0036	*Surrogate Recovery has a value greater than zero but the Lab Qualifier is like "*U*"*
0037	*Duplicate records in Table A1, A2, or A3*
0038	*Problems with QC Batch assignment*

Field QC and Associated Samples

Lab Reporting Batch : 15D157 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
04-22-15-FDUP-4	**FD**	04-22-15-PWB-4	04/22/2015 11:50
04-22-15-TB-10	**TB**	04-22-15-AMW-4R	04/22/2015 09:45
		04-22-15-FDUP-4	04/22/2015 12:05
		04-22-15-PWB-10	04/22/2015 13:35
		04-22-15-PWB-12	04/22/2015 10:45
		04-22-15-PWB-14	04/22/2015 08:42
		04-22-15-PWB-15	04/22/2015 11:25
		04-22-15-PWB-16	04/22/2015 08:00
		04-22-15-PWB-4	04/22/2015 11:50
		04-22-15-PWB-5	04/22/2015 14:45
		04-22-15-PWB-7A	04/22/2015 10:15
		04-22-15-PWB-9	04/22/2015 13:05
		04-22-15-WB2-1	04/22/2015 12:55
		04-22-15-WB2-2	04/22/2015 10:40
		04-22-15-WB2-4	04/22/2015 12:27
04-22-15-TB-11	**TB**	04-22-15-AMW-4R	04/22/2015 09:45
		04-22-15-FDUP-4	04/22/2015 12:05
		04-22-15-PWB-10	04/22/2015 13:35
		04-22-15-PWB-12	04/22/2015 10:45
		04-22-15-PWB-14	04/22/2015 08:42
		04-22-15-PWB-15	04/22/2015 11:25
		04-22-15-PWB-16	04/22/2015 08:00
		04-22-15-PWB-4	04/22/2015 11:50
		04-22-15-PWB-5	04/22/2015 14:45
		04-22-15-PWB-7A	04/22/2015 10:15
		04-22-15-PWB-9	04/22/2015 13:05
		04-22-15-WB2-1	04/22/2015 12:55
		04-22-15-WB2-2	04/22/2015 10:40
		04-22-15-WB2-4	04/22/2015 12:27
04-22-15-TB-12	**TB**	04-22-15-AMW-4R	04/22/2015 09:45
		04-22-15-FDUP-4	04/22/2015 12:05
		04-22-15-PWB-10	04/22/2015 13:35

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

Field QC Sample	QC Type	Associated Samples	Sample Collection Date
04-22-15-TB-12	**TB**	04-22-15-PWB-12	04/22/2015 10:45
		04-22-15-PWB-14	04/22/2015 08:42
		04-22-15-PWB-15	04/22/2015 11:25
		04-22-15-PWB-16	04/22/2015 08:00
		04-22-15-PWB-4	04/22/2015 11:50
		04-22-15-PWB-5	04/22/2015 14:45
		04-22-15-PWB-7A	04/22/2015 10:15
		04-22-15-PWB-9	04/22/2015 13:05
		04-22-15-WB2-1	04/22/2015 12:55
		04-22-15-WB2-2	04/22/2015 10:40
		04-22-15-WB2-4	04/22/2015 12:27

Legend:
AB = Ambient Blank EB = Equipment Blank Rinsate FB = Field Blank FD = Field Duplicate TB = Trip Blank

EDD Preparation Batch Summary and Associated Samples
EDD Reporting Batch ID: 15D157

Method: 300.0

Matrix ID: AQ Preparation Batch: ICD017W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD017WB	ICD017WB	RES	MB	04/23/2015 11:48
ICD017WL	ICD017WL	RES	LCS	04/23/2015 14:06
ICD017WC	ICD017WC	RES	LCSD	04/23/2015 14:23
04-22-15-PWB-16	D157-01	RES	Normal sample	04/23/2015 16:23
04-22-15-PWB-14	D157-02	RES	Normal sample	04/23/2015 16:40
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/23/2015 16:58
04-22-15-PWB-7A	D157-07	RES	Normal sample	04/23/2015 17:15
04-22-15-WB2-2	D157-09	RES	Normal sample	04/23/2015 17:32
04-22-15-PWB-12	D157-05	RES	Normal sample	04/23/2015 17:49
04-22-15-PWB-15	D157-08	RES	Normal sample	04/23/2015 18:41
04-22-15-PWB-4	D157-11	RES	Normal sample	04/23/2015 18:58
04-22-15-PWB-10	D157-17	RES	Normal sample	04/23/2015 19:15
04-22-15-PWB-10MS	D157-17M	RES	MS	04/23/2015 19:32
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/23/2015 19:49

Matrix ID: AQ Preparation Batch: ICD019W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD019WL	ICD019WL	RES	LCS	04/23/2015 20:06
ICD019WC	ICD019WC	RES	LCSD	04/23/2015 20:23
ICD019WB	ICD019WB	RES	MB	04/23/2015 20:41
04-22-15-FDUP-4	D157-12	RES	Normal sample	04/23/2015 20:58
04-22-15-WB2-4	D157-16	RES	Normal sample	04/23/2015 21:15
04-22-15-WB2-1	D157-13	RES	Normal sample	04/23/2015 22:06
04-22-15-PWB-9	D157-14	RES	Normal sample	04/23/2015 22:23
04-22-15-PWB-5	D157-19	RES	Normal sample	04/23/2015 22:41
04-22-15-PWB-14	D157-02I	DL	Normal sample	04/23/2015 23:32
04-22-15-AMW-4R	D157-04I	DL	Normal sample	04/23/2015 23:49
04-22-15-PWB-7A	D157-07I	DL	Normal sample	04/24/2015 00:06
04-22-15-WB2-2	D157-09I	DL	Normal sample	04/24/2015 00:24
04-22-15-PWB-12	D157-05I	DL	Normal sample	04/24/2015 00:41
04-22-15-PWB-15	D157-08I	DL	Normal sample	04/24/2015 01:32
04-22-15-PWB-4	D157-11I	DL	Normal sample	04/24/2015 01:49
04-22-15-PWB-10	D157-17I	DL	Normal sample	04/24/2015 02:07
04-22-15-PWB-10MS	D157-17IM	DL	MS	04/24/2015 02:24
04-22-15-PWB-10MSD	D157-17IS	DL	MSD	04/24/2015 02:41
04-22-15-FDUP-4	D157-12I	DL	Normal sample	04/24/2015 02:58
04-22-15-WB2-4	D157-16I	DL	Normal sample	04/24/2015 03:15

Method: 300.0

Matrix ID: AQ Preparation Batch: ICD019W

04-22-15-WB2-1	D157-13I	DL	Normal sample	04/24/2015 03:32
04-22-15-PWB-9	D157-14I	DL	Normal sample	04/24/2015 03:49
04-22-15-PWB-5	D157-19I	DL	Normal sample	04/24/2015 04:07

Matrix ID: AQ Preparation Batch: ICD021W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD021WB	ICD021WB	RES	MB	04/27/2015 10:58
ICD021WL	ICD021WL	RES	LCS	04/27/2015 11:15
ICD021WC	ICD021WC	RES	LCSD	04/27/2015 11:32
04-22-15-PWB-16	D157-01I	DL	Normal sample	04/27/2015 12:58
04-22-15-PWB-12	D157-05I	DL2	Normal sample	04/27/2015 13:15
04-22-15-PWB-4	D157-11I	DL2	Normal sample	04/27/2015 13:32
04-22-15-FDUP-4	D157-12I	DL2	Normal sample	04/27/2015 13:49
04-22-15-PWB-5	D157-19I	DL2	Normal sample	04/27/2015 14:06

Method: 415.1

Matrix ID: AQ Preparation Batch: TCD007W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCD007WB	TCD007WB	RES	MB	04/24/2015 21:19
TCD007WL	TCD007WL	RES	LCS	04/24/2015 21:32
TCD007WC	TCD007WC	RES	LCSD	04/24/2015 21:45
04-22-15-PWB-16	D157-01	RES	Normal sample	04/24/2015 23:56
04-22-15-PWB-14	D157-02	RES	Normal sample	04/25/2015 00:07
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/25/2015 00:17
04-22-15-PWB-12	D157-05	RES	Normal sample	04/25/2015 00:28
04-22-15-PWB-7A	D157-07	RES	Normal sample	04/25/2015 00:39
04-22-15-PWB-15	D157-08	RES	Normal sample	04/25/2015 00:49
04-22-15-WB2-2	D157-09	RES	Normal sample	04/25/2015 01:00
04-22-15-PWB-4	D157-11	RES	Normal sample	04/25/2015 01:10
04-22-15-FDUP-4	D157-12	RES	Normal sample	04/25/2015 01:50
04-22-15-WB2-1	D157-13	RES	Normal sample	04/25/2015 02:01
04-22-15-PWB-9	D157-14	RES	Normal sample	04/25/2015 02:11
04-22-15-WB2-4	D157-16	RES	Normal sample	04/25/2015 02:22
04-22-15-PWB-10	D157-17	RES	Normal sample	04/25/2015 02:32
04-22-15-PWB-10DUP	D157-17D	RES	DUP	04/25/2015 02:43
04-22-15-PWB-10MS	D157-17M	RES	MS	04/25/2015 02:56
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/25/2015 03:08
04-22-15-PWB-5	D157-19	RES	Normal sample	04/25/2015 03:19

Method: 8151

Matrix ID: AQ **Preparation Batch: HED011W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED011WB	HED011WB	RES	MB	04/28/2015 18:03
HED011WL	HED011WL	RES	LCS	04/28/2015 18:37
HED011WC	HED011WC	RES	LCSD	04/28/2015 19:12
04-22-15-PWB-10MS	D157-17M	RES	MS	04/28/2015 19:46
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/28/2015 20:21
04-22-15-PWB-16	D157-01	RES	Normal sample	04/28/2015 20:56
04-22-15-PWB-14	D157-02	RES	Normal sample	04/28/2015 21:30
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/28/2015 22:05
04-22-15-PWB-15	D157-08	RES	Normal sample	04/29/2015 01:34
04-22-15-WB2-2	D157-09	RES	Normal sample	04/29/2015 02:08
04-22-15-PWB-9	D157-14	RES	Normal sample	04/29/2015 04:27
04-22-15-WB2-4	D157-16	RES	Normal sample	04/29/2015 05:02
04-22-15-PWB-10	D157-17	RES	Normal sample	04/29/2015 05:36
04-22-15-PWB-5	D157-19	RES	Normal sample	04/29/2015 06:11
04-22-15-PWB-12	D157-05I	RES	Normal sample	04/29/2015 12:24
04-22-15-PWB-12	D157-05I	DL	Normal sample	04/29/2015 12:24
04-22-15-PWB-7A	D157-07I	RES	Normal sample	04/29/2015 12:52
04-22-15-PWB-7A	D157-07I	DL	Normal sample	04/29/2015 12:52
04-22-15-PWB-4	D157-11I	DL	Normal sample	04/29/2015 13:20
04-22-15-PWB-4	D157-11I	RES	Normal sample	04/29/2015 13:20
04-22-15-FDUP-4	D157-12I	DL	Normal sample	04/29/2015 13:49
04-22-15-FDUP-4	D157-12I	RES	Normal sample	04/29/2015 13:49
04-22-15-WB2-1	D157-13I	RES	Normal sample	04/29/2015 14:17
04-22-15-WB2-1	D157-13I	DL	Normal sample	04/29/2015 14:17

Method: 8260B

Matrix ID: AQ Preparation Batch: VO06D16

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06D16L	VO06D16L	RES	LCS	04/27/2015 15:28
VO06D16C	VO06D16C	RES	LCSD	04/27/2015 15:59
VO06D16B	VO06D16B	RES	MB	04/27/2015 16:29
04-22-15-PWB-10	D157-17	RES	Normal sample	04/27/2015 17:02
04-22-15-PWB-10MS	D157-17M	RES	MS	04/27/2015 17:34
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/27/2015 18:05
04-22-15-PWB-16	D157-01	RES	Normal sample	04/27/2015 18:38
04-22-15-PWB-14	D157-02	RES	Normal sample	04/27/2015 19:09
04-22-15-TB-9	D157-03	RES	Normal sample	04/27/2015 19:41
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/27/2015 20:12
04-22-15-TB-10	D157-06	RES	Normal sample	04/27/2015 20:44
04-22-15-PWB-15	D157-08	RES	Normal sample	04/27/2015 21:16
04-22-15-WB2-2	D157-09	RES	Normal sample	04/27/2015 21:49
04-22-15-TB-11	D157-10	RES	Normal sample	04/27/2015 22:20
04-22-15-PWB-9	D157-14	RES	Normal sample	04/27/2015 22:54
04-22-15-PWB-12	D157-05	RES	Normal sample	04/27/2015 23:25
04-22-15-PWB-7A	D157-07	RES	Normal sample	04/27/2015 23:57
04-22-15-PWB-4	D157-11	RES	Normal sample	04/28/2015 00:28
04-22-15-FDUP-4	D157-12	RES	Normal sample	04/28/2015 01:01
04-22-15-WB2-1	D157-13	RES	Normal sample	04/28/2015 01:32

Matrix ID: AQ Preparation Batch: VO67E03

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67E03L	VO67E03L	RES	LCS	05/04/2015 13:42
VO67E03C	VO67E03C	RES	LCSD	05/04/2015 14:21
VO67E03B	VO67E03B	RES	MB	05/04/2015 15:33
04-22-15-TB-12	D157-15	RES	Normal sample	05/04/2015 16:45
04-22-15-TB-13	D157-18	RES	Normal sample	05/04/2015 17:22
04-22-15-TB-14	D157-20	RES	Normal sample	05/04/2015 18:01
04-22-15-WB2-4	D157-16	RES	Normal sample	05/04/2015 18:34
04-22-15-PWB-5	D157-19	RES	Normal sample	05/04/2015 19:10
04-22-15-WB2-1	D157-13I	DL	Normal sample	05/04/2015 19:43

Method: 8260B SIM

Matrix ID: AQ Preparation Batch: VO01D24

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D24L	VO01D24L	RES	LCS	04/28/2015 13:34
VO01D24C	VO01D24C	RES	LCSD	04/28/2015 13:59
VO01D24B	VO01D24B	RES	MB	04/28/2015 14:24
04-22-15-PWB-10MS	D157-17M	RES	MS	04/28/2015 14:49
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/28/2015 15:13
04-22-15-PWB-10	D157-17	RES	Normal sample	04/28/2015 15:38
04-22-15-PWB-9	D157-14	RES	Normal sample	04/28/2015 16:28
04-22-15-WB2-4	D157-16	RES	Normal sample	04/28/2015 16:53
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/28/2015 17:18
04-22-15-PWB-15	D157-08	RES	Normal sample	04/28/2015 17:42
04-22-15-PWB-16	D157-01	RES	Normal sample	04/28/2015 18:07
04-22-15-PWB-14	D157-02	RES	Normal sample	04/28/2015 18:32
04-22-15-PWB-4	D157-11	RES	Normal sample	04/28/2015 18:57
04-22-15-FDUP-4	D157-12	RES	Normal sample	04/28/2015 19:22
04-22-15-WB2-1	D157-13	RES	Normal sample	04/28/2015 19:47
04-22-15-WB2-2	D157-09	RES	Normal sample	04/28/2015 20:12
04-22-15-PWB-5	D157-19	RES	Normal sample	04/28/2015 20:36
04-22-15-PWB-7A	D157-07	RES	Normal sample	04/28/2015 21:01
04-22-15-PWB-12	D157-05	RES	Normal sample	04/28/2015 21:26
04-22-15-PWB-12	D157-05I	DL	Normal sample	04/28/2015 21:51
04-22-15-PWB-7A	D157-07I	DL	Normal sample	04/28/2015 22:17
04-22-15-PWB-16	D157-01I	DL	Normal sample	04/28/2015 22:42
04-22-15-PWB-14	D157-02I	DL	Normal sample	04/28/2015 23:06
04-22-15-WB2-2	D157-09I	DL	Normal sample	04/28/2015 23:31
04-22-15-PWB-4	D157-11I	DL	Normal sample	04/28/2015 23:57

Matrix ID: AQ Preparation Batch: VO01D25

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D25L	VO01D25L	RES	LCS	04/29/2015 11:07
VO01D25C	VO01D25C	RES	LCSD	04/29/2015 11:32
VO01D25B	VO01D25B	RES	MB	04/29/2015 11:57
04-22-15-FDUP-4	D157-12I	DL	Normal sample	04/29/2015 12:32
04-22-15-WB2-1	D157-13I	DL	Normal sample	04/29/2015 12:56
04-22-15-PWB-9	D157-14I	DL	Normal sample	04/29/2015 13:21
04-22-15-PWB-5	D157-19I	DL	Normal sample	04/29/2015 13:46

Method: FE3500

Matrix ID: AQ **Preparation Batch: FED003W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FED003WC	FED003WC	RES	LCSD	04/24/2015 11:57
FED003WB	FED003WB	RES	MB	04/24/2015 11:57
FED003WL	FED003WL	RES	LCS	04/24/2015 11:57
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/24/2015 11:58
04-22-15-PWB-16	D157-01	RES	Normal sample	04/24/2015 11:58
04-22-15-PWB-14	D157-02	RES	Normal sample	04/24/2015 11:58
04-22-15-PWB-12	D157-05	RES	Normal sample	04/24/2015 11:58
04-22-15-PWB-7A	D157-07	RES	Normal sample	04/24/2015 11:58
04-22-15-PWB-15	D157-08	RES	Normal sample	04/24/2015 11:59
04-22-15-WB2-2	D157-09	RES	Normal sample	04/24/2015 11:59
04-22-15-WB2-1	D157-13	RES	Normal sample	04/24/2015 12:11
04-22-15-PWB-9	D157-14	RES	Normal sample	04/24/2015 12:11
04-22-15-PWB-4	D157-11	RES	Normal sample	04/24/2015 12:11
04-22-15-FDUP-4	D157-12	RES	Normal sample	04/24/2015 12:11
04-22-15-PWB-5	D157-19	RES	Normal sample	04/24/2015 12:12
04-22-15-PWB-10MS	D157-17M	RES	MS	04/24/2015 12:12
04-22-15-WB2-4	D157-16	RES	Normal sample	04/24/2015 12:12
04-22-15-PWB-10	D157-17	RES	Normal sample	04/24/2015 12:12
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/24/2015 12:12
04-22-15-PWB-10DUP	D157-17D	RES	DUP	04/24/2015 12:12

Method: SM4500S2D

Matrix ID: AQ **Preparation Batch: SFD006W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFD006WB	SFD006WB	RES	MB	04/28/2015 17:14
04-22-15-PWB-14	D157-02	RES	Normal sample	04/28/2015 17:14
SFD006WL	SFD006WL	RES	LCS	04/28/2015 17:14
04-22-15-PWB-16	D157-01	RES	Normal sample	04/28/2015 17:14
SFD006WC	SFD006WC	RES	LCSD	04/28/2015 17:14
04-22-15-AMW-4R	D157-04	RES	Normal sample	04/28/2015 17:14
04-22-15-PWB-7A	D157-07	RES	Normal sample	04/28/2015 17:15
04-22-15-PWB-15	D157-08	RES	Normal sample	04/28/2015 17:15
04-22-15-PWB-12	D157-05	RES	Normal sample	04/28/2015 17:15
04-22-15-FDUP-4	D157-12	RES	Normal sample	04/28/2015 17:16
04-22-15-PWB-4	D157-11	RES	Normal sample	04/28/2015 17:16
04-22-15-WB2-2	D157-09	RES	Normal sample	04/28/2015 17:16
04-22-15-WB2-1	D157-13	RES	Normal sample	04/28/2015 17:17
04-22-15-WB2-4	D157-16	RES	Normal sample	04/28/2015 17:17
04-22-15-PWB-10	D157-17	RES	Normal sample	04/28/2015 17:17
04-22-15-PWB-10DUP	D157-17D	RES	DUP	04/28/2015 17:17
04-22-15-PWB-10MS	D157-17M	RES	MS	04/28/2015 17:17
04-22-15-PWB-9	D157-14	RES	Normal sample	04/28/2015 17:17
04-22-15-PWB-5	D157-19	RES	Normal sample	04/28/2015 17:18

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 15D157

Method: 300.0

Matrix ID: AQ Method Batch: ICD017W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD017WL	ICD017WL	RES	LCS	04/23/2015 14:06
ICD017WC	ICD017WC	RES	LCSD	04/23/2015 14:23
04-22-15-PWB-16	D157-01	RES		04/23/2015 16:23
04-22-15-PWB-14	D157-02	RES		04/23/2015 16:40
04-22-15-AMW-4R	D157-04	RES		04/23/2015 16:58
04-22-15-PWB-7A	D157-07	RES		04/23/2015 17:15
04-22-15-WB2-2	D157-09	RES		04/23/2015 17:32
04-22-15-PWB-12	D157-05	RES		04/23/2015 17:49
04-22-15-PWB-15	D157-08	RES		04/23/2015 18:41
04-22-15-PWB-4	D157-11	RES		04/23/2015 18:58
04-22-15-PWB-10	D157-17	RES		04/23/2015 19:15
04-22-15-PWB-10MS	D157-17M	RES	MS	04/23/2015 19:32
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/23/2015 19:49

Matrix ID: AQ Method Batch: ICD019W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD019WL	ICD019WL	RES	LCS	04/23/2015 20:06
ICD019WC	ICD019WC	RES	LCSD	04/23/2015 20:23
04-22-15-FDUP-4	D157-12	RES		04/23/2015 20:58
04-22-15-WB2-4	D157-16	RES		04/23/2015 21:15
04-22-15-WB2-1	D157-13	RES		04/23/2015 22:06
04-22-15-PWB-9	D157-14	RES		04/23/2015 22:23
04-22-15-PWB-5	D157-19	RES		04/23/2015 22:41
04-22-15-PWB-14	D157-02I	DL		04/23/2015 23:32
04-22-15-AMW-4R	D157-04I	DL		04/23/2015 23:49
04-22-15-PWB-7A	D157-07I	DL		04/24/2015 00:06
04-22-15-WB2-2	D157-09I	DL		04/24/2015 00:24
04-22-15-PWB-12	D157-05I	DL		04/24/2015 00:41
04-22-15-PWB-15	D157-08I	DL		04/24/2015 01:32
04-22-15-PWB-4	D157-11I	DL		04/24/2015 01:49
04-22-15-PWB-10	D157-17I	DL		04/24/2015 02:07
04-22-15-PWB-10MS	D157-17IM	DL	MS	04/24/2015 02:24
04-22-15-PWB-10MSD	D157-17IS	DL	MSD	04/24/2015 02:41
04-22-15-FDUP-4	D157-12I	DL		04/24/2015 02:58
04-22-15-WB2-4	D157-16I	DL		04/24/2015 03:15
04-22-15-WB2-1	D157-13I	DL		04/24/2015 03:32
04-22-15-PWB-9	D157-14I	DL		04/24/2015 03:49
04-22-15-PWB-5	D157-19I	DL		04/24/2015 04:07

Matrix ID: AQ Method Batch: ICD021W

Method: 300.0

Matrix ID: AQ **Method Batch: ICD021W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICD021WL	ICD021WL	RES	LCS	04/27/2015 11:15
ICD021WC	ICD021WC	RES	LCSD	04/27/2015 11:32
04-22-15-PWB-16	D157-01I	DL		04/27/2015 12:58
04-22-15-PWB-12	D157-05I	DL2		04/27/2015 13:15
04-22-15-PWB-4	D157-11I	DL2		04/27/2015 13:32
04-22-15-FDUP-4	D157-12I	DL2		04/27/2015 13:49
04-22-15-PWB-5	D157-19I	DL2		04/27/2015 14:06

Method: 415.1

Matrix ID: AQ **Method Batch: TCD007W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCD007WL	TCD007WL	RES	LCS	04/24/2015 21:32
TCD007WC	TCD007WC	RES	LCSD	04/24/2015 21:45
04-22-15-PWB-16	D157-01	RES		04/24/2015 23:56
04-22-15-PWB-14	D157-02	RES		04/25/2015 00:07
04-22-15-AMW-4R	D157-04	RES		04/25/2015 00:17
04-22-15-PWB-12	D157-05	RES		04/25/2015 00:28
04-22-15-PWB-7A	D157-07	RES		04/25/2015 00:39
04-22-15-PWB-15	D157-08	RES		04/25/2015 00:49
04-22-15-WB2-2	D157-09	RES		04/25/2015 01:00
04-22-15-PWB-4	D157-11	RES		04/25/2015 01:10
04-22-15-FDUP-4	D157-12	RES		04/25/2015 01:50
04-22-15-WB2-1	D157-13	RES		04/25/2015 02:01
04-22-15-PWB-9	D157-14	RES		04/25/2015 02:11
04-22-15-WB2-4	D157-16	RES		04/25/2015 02:22
04-22-15-PWB-10	D157-17	RES		04/25/2015 02:32
04-22-15-PWB-10DUP	D157-17D	RES	DUP	04/25/2015 02:43
04-22-15-PWB-10MS	D157-17M	RES	MS	04/25/2015 02:56
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/25/2015 03:08
04-22-15-PWB-5	D157-19	RES		04/25/2015 03:19

Method: 8151

Matrix ID: AQ **Method Batch: HED011W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HED011WL	HED011WL	RES	LCS	04/28/2015 18:37
HED011WC	HED011WC	RES	LCSD	04/28/2015 19:12
04-22-15-PWB-10MS	D157-17M	RES	MS	04/28/2015 19:46
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/28/2015 20:21
04-22-15-PWB-16	D157-01	RES		04/28/2015 20:56
04-22-15-PWB-14	D157-02	RES		04/28/2015 21:30
04-22-15-AMW-4R	D157-04	RES		04/28/2015 22:05
04-22-15-PWB-15	D157-08	RES		04/29/2015 01:34
04-22-15-WB2-2	D157-09	RES		04/29/2015 02:08
04-22-15-PWB-9	D157-14	RES		04/29/2015 04:27
04-22-15-WB2-4	D157-16	RES		04/29/2015 05:02
04-22-15-PWB-10	D157-17	RES		04/29/2015 05:36
04-22-15-PWB-5	D157-19	RES		04/29/2015 06:11
04-22-15-PWB-12	D157-05I	DL		04/29/2015 12:24
04-22-15-PWB-12	D157-05I	RES		04/29/2015 12:24
04-22-15-PWB-7A	D157-07I	RES		04/29/2015 12:52
04-22-15-PWB-7A	D157-07I	DL		04/29/2015 12:52
04-22-15-PWB-4	D157-11I	RES		04/29/2015 13:20
04-22-15-PWB-4	D157-11I	DL		04/29/2015 13:20
04-22-15-FDUP-4	D157-12I	RES		04/29/2015 13:49
04-22-15-FDUP-4	D157-12I	DL		04/29/2015 13:49
04-22-15-WB2-1	D157-13I	RES		04/29/2015 14:17
04-22-15-WB2-1	D157-13I	DL		04/29/2015 14:17

Method: 8260B

Matrix ID: AQ Method Batch: VO06D16

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06D16L	VO06D16L	RES	LCS	04/27/2015 15:28
VO06D16C	VO06D16C	RES	LCSD	04/27/2015 15:59
04-22-15-PWB-10	D157-17	RES		04/27/2015 17:02
04-22-15-PWB-10MS	D157-17M	RES	MS	04/27/2015 17:34
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/27/2015 18:05
04-22-15-PWB-16	D157-01	RES		04/27/2015 18:38
04-22-15-PWB-14	D157-02	RES		04/27/2015 19:09
04-22-15-TB-9	D157-03	RES		04/27/2015 19:41
04-22-15-AMW-4R	D157-04	RES		04/27/2015 20:12
04-22-15-TB-10	D157-06	RES		04/27/2015 20:44
04-22-15-PWB-15	D157-08	RES		04/27/2015 21:16
04-22-15-WB2-2	D157-09	RES		04/27/2015 21:49
04-22-15-TB-11	D157-10	RES		04/27/2015 22:20
04-22-15-PWB-9	D157-14	RES		04/27/2015 22:54
04-22-15-PWB-12	D157-05	RES		04/27/2015 23:25
04-22-15-PWB-7A	D157-07	RES		04/27/2015 23:57
04-22-15-PWB-4	D157-11	RES		04/28/2015 00:28
04-22-15-FDUP-4	D157-12	RES		04/28/2015 01:01
04-22-15-WB2-1	D157-13	RES		04/28/2015 01:32

Matrix ID: AQ Method Batch: VO67E03

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67E03L	VO67E03L	RES	LCS	05/04/2015 13:42
VO67E03C	VO67E03C	RES	LCSD	05/04/2015 14:21
04-22-15-TB-12	D157-15	RES		05/04/2015 16:45
04-22-15-TB-13	D157-18	RES		05/04/2015 17:22
04-22-15-TB-14	D157-20	RES		05/04/2015 18:01
04-22-15-WB2-4	D157-16	RES		05/04/2015 18:34
04-22-15-PWB-5	D157-19	RES		05/04/2015 19:10
04-22-15-WB2-1	D157-13I	DL		05/04/2015 19:43

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO01D24

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D24L	VO01D24L	RES	LCS	04/28/2015 13:34
VO01D24C	VO01D24C	RES	LCSD	04/28/2015 13:59
04-22-15-PWB-10MS	D157-17M	RES	MS	04/28/2015 14:49
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/28/2015 15:13
04-22-15-PWB-10	D157-17	RES		04/28/2015 15:38
04-22-15-PWB-9	D157-14	RES		04/28/2015 16:28
04-22-15-WB2-4	D157-16	RES		04/28/2015 16:53
04-22-15-AMW-4R	D157-04	RES		04/28/2015 17:18
04-22-15-PWB-15	D157-08	RES		04/28/2015 17:42
04-22-15-PWB-16	D157-01	RES		04/28/2015 18:07
04-22-15-PWB-14	D157-02	RES		04/28/2015 18:32
04-22-15-PWB-4	D157-11	RES		04/28/2015 18:57
04-22-15-FDUP-4	D157-12	RES		04/28/2015 19:22
04-22-15-WB2-1	D157-13	RES		04/28/2015 19:47
04-22-15-WB2-2	D157-09	RES		04/28/2015 20:12
04-22-15-PWB-5	D157-19	RES		04/28/2015 20:36
04-22-15-PWB-7A	D157-07	RES		04/28/2015 21:01
04-22-15-PWB-12	D157-05	RES		04/28/2015 21:26
04-22-15-PWB-12	D157-05I	DL		04/28/2015 21:51
04-22-15-PWB-7A	D157-07I	DL		04/28/2015 22:17
04-22-15-PWB-16	D157-01I	DL		04/28/2015 22:42
04-22-15-PWB-14	D157-02I	DL		04/28/2015 23:06
04-22-15-WB2-2	D157-09I	DL		04/28/2015 23:31
04-22-15-PWB-4	D157-11I	DL		04/28/2015 23:57

Matrix ID: AQ Method Batch: VO01D25

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO01D25L	VO01D25L	RES	LCS	04/29/2015 11:07
VO01D25C	VO01D25C	RES	LCSD	04/29/2015 11:32
04-22-15-FDUP-4	D157-12I	DL		04/29/2015 12:32
04-22-15-WB2-1	D157-13I	DL		04/29/2015 12:56
04-22-15-PWB-9	D157-14I	DL		04/29/2015 13:21
04-22-15-PWB-5	D157-19I	DL		04/29/2015 13:46

Method: FE3500

Matrix ID: AQ Method Batch: FED003W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FED003WL	FED003WL	RES	LCS	04/24/2015 11:57
FED003WC	FED003WC	RES	LCSD	04/24/2015 11:57
04-22-15-AMW-4R	D157-04	RES		04/24/2015 11:58
04-22-15-PWB-16	D157-01	RES		04/24/2015 11:58
04-22-15-PWB-12	D157-05	RES		04/24/2015 11:58
04-22-15-PWB-7A	D157-07	RES		04/24/2015 11:58
04-22-15-PWB-14	D157-02	RES		04/24/2015 11:58
04-22-15-PWB-15	D157-08	RES		04/24/2015 11:59
04-22-15-WB2-2	D157-09	RES		04/24/2015 11:59
04-22-15-PWB-4	D157-11	RES		04/24/2015 12:11
04-22-15-WB2-1	D157-13	RES		04/24/2015 12:11
04-22-15-PWB-9	D157-14	RES		04/24/2015 12:11
04-22-15-FDUP-4	D157-12	RES		04/24/2015 12:11
04-22-15-WB2-4	D157-16	RES		04/24/2015 12:12
04-22-15-PWB-10MS	D157-17M	RES	MS	04/24/2015 12:12
04-22-15-PWB-10DUP	D157-17D	RES	DUP	04/24/2015 12:12
04-22-15-PWB-5	D157-19	RES		04/24/2015 12:12
04-22-15-PWB-10MSD	D157-17S	RES	MSD	04/24/2015 12:12
04-22-15-PWB-10	D157-17	RES		04/24/2015 12:12

Method: SM4500S2D

Matrix ID: AQ Method Batch: SFD006W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
04-22-15-PWB-16	D157-01	RES		04/28/2015 17:14
SFD006WC	SFD006WC	RES	LCSD	04/28/2015 17:14
04-22-15-PWB-14	D157-02	RES		04/28/2015 17:14
SFD006WL	SFD006WL	RES	LCS	04/28/2015 17:14
04-22-15-AMW-4R	D157-04	RES		04/28/2015 17:14
04-22-15-PWB-15	D157-08	RES		04/28/2015 17:15
04-22-15-PWB-7A	D157-07	RES		04/28/2015 17:15
04-22-15-PWB-12	D157-05	RES		04/28/2015 17:15
04-22-15-PWB-4	D157-11	RES		04/28/2015 17:16
04-22-15-WB2-2	D157-09	RES		04/28/2015 17:16
04-22-15-FDUP-4	D157-12	RES		04/28/2015 17:16
04-22-15-WB2-1	D157-13	RES		04/28/2015 17:17
04-22-15-PWB-10	D157-17	RES		04/28/2015 17:17
04-22-15-PWB-10MS	D157-17M	RES	MS	04/28/2015 17:17
04-22-15-PWB-10DUP	D157-17D	RES	DUP	04/28/2015 17:17
04-22-15-PWB-9	D157-14	RES		04/28/2015 17:17
04-22-15-WB2-4	D157-16	RES		04/28/2015 17:17
04-22-15-PWB-5	D157-19	RES		04/28/2015 17:18

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D157 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
300.0									
	04-22-15-AMW-4R	D157-04	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-04I	DL	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
	04-22-15-FDUP-4	D157-12	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-12I	DL2	NONE	AQ	04/22/2015	04/23/2015		04/27/2015
			DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-10	D157-17	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-17I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-12	D157-05	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-05I	DL2	NONE	AQ	04/22/2015	04/23/2015		04/27/2015
			DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-14	D157-02	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-02I	DL	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
	04-22-15-PWB-15	D157-08	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-08I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-16	D157-01	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-01I	DL	NONE	AQ	04/22/2015	04/23/2015		04/27/2015
	04-22-15-PWB-4	D157-11	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-11I	DL2	NONE	AQ	04/22/2015	04/23/2015		04/27/2015
			DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-5	D157-19	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-19I	DL2	NONE	AQ	04/22/2015	04/23/2015		04/27/2015
			DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-7A	D157-07	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-07I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-9	D157-14	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-14I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-WB2-1	D157-13	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-13I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-WB2-2	D157-09	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015
		D157-09I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-WB2-4	D157-16	RES	NONE	AQ	04/22/2015	04/23/2015		04/23/2015

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D157 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-22-15-WB2-4	D157-16I	DL	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
415.1									
	04-22-15-AMW-4R	D157-04	RES	NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-FDUP-4	D157-12		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-10	D157-17		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-12	D157-05		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-14	D157-02		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-15	D157-08		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-16	D157-01		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-4	D157-11		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-5	D157-19		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-7A	D157-07		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-PWB-9	D157-14		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-WB2-1	D157-13		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-WB2-2	D157-09		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
	04-22-15-WB2-4	D157-16		NONE	AQ	04/22/2015	04/23/2015		04/25/2015
8151									
	04-22-15-AMW-4R	D157-04	RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-FDUP-4	D157-12I	DL	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
			RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-10	D157-17		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-12	D157-05I	DL	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
			RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-14	D157-02		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-15	D157-08		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-16	D157-01		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-4	D157-11I	DL	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
			RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-5	D157-19		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-7A	D157-07I		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
			DL	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-PWB-9	D157-14	RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D157 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-22-15-WB2-1	D157-13I	RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
			DL	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-WB2-2	D157-09	RES	METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
	04-22-15-WB2-4	D157-16		METHOD	AQ	04/22/2015	04/23/2015	04/28/2015	04/29/2015
8260B									
	04-22-15-AMW-4R	D157-04	RES	5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-FDUP-4	D157-12		5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-10	D157-17		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-PWB-12	D157-05		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-PWB-14	D157-02		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-PWB-15	D157-08		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-PWB-16	D157-01		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-PWB-4	D157-11		5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-5	D157-19		5030B	AQ	04/22/2015	04/23/2015	05/04/2015	05/04/2015
	04-22-15-PWB-7A	D157-07		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-PWB-9	D157-14		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-TB-10	D157-06		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-TB-11	D157-10		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-TB-12	D157-15		5030B	AQ	04/22/2015	04/23/2015	05/04/2015	05/04/2015
	04-22-15-TB-13	D157-18		5030B	AQ	04/22/2015	04/23/2015	05/04/2015	05/04/2015
	04-22-15-TB-14	D157-20		5030B	AQ	04/22/2015	04/23/2015	05/04/2015	05/04/2015
	04-22-15-TB-9	D157-03		5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-WB2-1	D157-13		5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-13I	DL	5030B	AQ	04/22/2015	04/23/2015	05/04/2015	05/04/2015
	04-22-15-WB2-2	D157-09	RES	5030B	AQ	04/22/2015	04/23/2015	04/27/2015	04/27/2015
	04-22-15-WB2-4	D157-16		5030B	AQ	04/22/2015	04/23/2015	05/04/2015	05/04/2015
8260B SIM									
	04-22-15-AMW-4R	D157-04	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-FDUP-4	D157-12		5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-12I	DL	5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-22-15-PWB-10	D157-17	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-12	D157-05		5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D157 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-22-15-PWB-12	D157-05I	DL	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-14	D157-02	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-02I	DL	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-15	D157-08	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-16	D157-01		5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-01I	DL	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-4	D157-11	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-11I	DL	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-5	D157-19	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-19I	DL	5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-22-15-PWB-7A	D157-07	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-07I	DL	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-PWB-9	D157-14	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-14I	DL	5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-22-15-WB2-1	D157-13	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-13I	DL	5030B	AQ	04/22/2015	04/23/2015	04/29/2015	04/29/2015
	04-22-15-WB2-2	D157-09	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
		D157-09I	DL	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
	04-22-15-WB2-4	D157-16	RES	5030B	AQ	04/22/2015	04/23/2015	04/28/2015	04/28/2015
FE3500									
	04-22-15-AMW-4R	D157-04	RES	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-FDUP-4	D157-12		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-10	D157-17		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-12	D157-05		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-14	D157-02		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-15	D157-08		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-16	D157-01		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-4	D157-11		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-5	D157-19		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-7A	D157-07		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-PWB-9	D157-14		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-WB2-1	D157-13		NONE	AQ	04/22/2015	04/23/2015		04/24/2015

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 15D157 **Laboratory :** EMXT **Lab Report Date :** 05/19/2015

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	04-22-15-WB2-2	D157-09	RES	NONE	AQ	04/22/2015	04/23/2015		04/24/2015
	04-22-15-WB2-4	D157-16		NONE	AQ	04/22/2015	04/23/2015		04/24/2015
SM4500S2D									
	04-22-15-AMW-4R	D157-04	RES	NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-FDUP-4	D157-12		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-10	D157-17		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-12	D157-05		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-14	D157-02		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-15	D157-08		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-16	D157-01		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-4	D157-11		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-5	D157-19		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-7A	D157-07		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-PWB-9	D157-14		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-WB2-1	D157-13		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-WB2-2	D157-09		NONE	AQ	04/22/2015	04/23/2015		04/28/2015
	04-22-15-WB2-4	D157-16		NONE	AQ	04/22/2015	04/23/2015		04/28/2015

QC Outlier Report: Holding Times

Lab Report Batch: 15D157 **Lab ID:** EMXT

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	**Lab Sample ID**	**Analysis Method**	**Matrix**	**Prep Method**	**Coll To Prep**	**Prep To Ana**	**Coll To Ana**	**Coll To Prep**	**Prep To Ana**	**Coll To Ana**	**Unit of Meas**	**Collection Date**	**Preparation Date**	**Analysis Date**
04-22-15-AMW-4R	D157-04	FE3500	AQ	NONE			50.2			48	Hours	04/22/2015 09:45		04/24/2015 11:58
04-22-15-FDUP-4	D157-12I	300.0	AQ	NONE			121.7			48	Hours	04/22/2015 12:05		04/27/2015 13:49
	D157-12	FE3500	AQ	NONE			48.1			48	Hours	04/22/2015 12:05		04/24/2015 12:11
04-22-15-PWB-12	D157-05I	300.0	AQ	NONE			122.5			48	Hours	04/22/2015 10:45		04/27/2015 13:15
	D157-05	FE3500	AQ	NONE			49.2			48	Hours	04/22/2015 10:45		04/24/2015 11:58
04-22-15-PWB-14	D157-02	FE3500	AQ	NONE			51.3			48	Hours	04/22/2015 08:42		04/24/2015 11:58
04-22-15-PWB-15	D157-08	FE3500	AQ	NONE			48.6			48	Hours	04/22/2015 11:25		04/24/2015 11:59
04-22-15-PWB-16	D157-01I	300.0	AQ	NONE			125.0			48	Hours	04/22/2015 08:00		04/27/2015 12:58
	D157-01	FE3500	AQ	NONE			52.0			48	Hours	04/22/2015 08:00		04/24/2015 11:58
04-22-15-PWB-4	D157-11I	300.0	AQ	NONE			121.7			48	Hours	04/22/2015 11:50		04/27/2015 13:32
	D157-11	FE3500	AQ	NONE			48.4			48	Hours	04/22/2015 11:50		04/24/2015 12:11
04-22-15-PWB-5	D157-19I	300.0	AQ	NONE			119.4			48	Hours	04/22/2015 14:45		04/27/2015 14:06
04-22-15-PWB-7A	D157-07	FE3500	AQ	NONE			49.7			48	Hours	04/22/2015 10:15		04/24/2015 11:58
04-22-15-WB2-2	D157-09	FE3500	AQ	NONE			49.3			48	Hours	04/22/2015 10:40		04/24/2015 11:59

Method Blank Outlier Report

Method Blank Lab Sample ID : VO06D16B
Preparation Batch : VO06D16
Preparation Date : 04/27/2015
Analysis Method : 8260B
Lab Reporting Batch : 15D157
Analysis Date : 04/27/2015
Preparation Type : 5030B
Lab ID: EMXT

METHYLENE CHLORIDE	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.59**	**1.0**	**UG/L**	**J**	

METHYLENE CHLORIDE was qualified as method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
04-22-15-FDUP-4	D157-12	1	1.8		UG/L
04-22-15-PWB-15	D157-08	1	2.8		UG/L
04-22-15-PWB-4	D157-11	1	1.7		UG/L
04-22-15-PWB-7A	D157-07	1	1.1		UG/L
04-22-15-WB2-1	D157-13	1	0.56	J	UG/L

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : VO06D16 **Analysis Method :** 8260B **Analysis Date :** 04/27/2015

Preparation Batch : VO06D16 **Preparation Type :** 5030B **Preparation Date :** 04/27/2015

Lab Reporting Batch : 15D157 **Lab ID:** EMXT

				Reported *		Project Limits (Percent)			
Client Sample ID	**Lab Sample ID**	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
04-22-15-PWB-10MS	D157-17M	AQ	METHYLENE CHLORIDE	14		0.00	55.00	140.00	30.00
04-22-15-PWB-10MSD	D157-17S		METHYLENE CHLORIDE		31	0.00	55.00	140.00	30.00

Associated Samples: **All samples in Method Batch**

Client Sample ID	**Lab Sample ID**
04-22-15-AMW-4R	D157-04
04-22-15-FDUP-4	D157-12
04-22-15-PWB-10	D157-17
04-22-15-PWB-12	D157-05
04-22-15-PWB-14	D157-02
04-22-15-PWB-15	D157-08
04-22-15-PWB-16	D157-01
04-22-15-PWB-4	D157-11
04-22-15-PWB-7A	D157-07
04-22-15-PWB-9	D157-14
04-22-15-TB-10	D157-06
04-22-15-TB-11	D157-10
04-22-15-TB-9	D157-03
04-22-15-WB2-1	D157-13
04-22-15-WB2-2	D157-09

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: 15D157 **Lab ID:** EMXT

			Field Sample				Field Sample Duplicate						
Analysis Method	**Matrix**	**Analyte Name**	**Client Sample ID**	**Ana Type**	**Result**	**Lab Qualifier**	**Client Sample Duplicate ID**	**Ana Type**	**Result**	**Lab Qualifier**	**RPD Dup* (%)**	**RPD Criteria (%)**	**Result Units**
8260B SIM	AQ	1,2-DIBROMO-3-CHLOROPROPAN	04-22-15-PWB-4	DL	5.0	U	04-22-15-FDUP-4	RES	0.31		200.0		UG/L
	AQ	1,2-DIBROMO-3-CHLOROPROPAN		RES	0.30			RES	0.31		3.3		UG/L
	AQ	1,2-DIBROMO-3-CHLOROPROPAN		DL	5.0	U		DL	5.0	U	200.0		UG/L
	AQ	1,2-DIBROMO-3-CHLOROPROPAN		RES	0.30			DL	5.0	U	200.0		UG/L

**Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.*

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Reporting Limits Outlier Report

Lab Report Batch: 15D157 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-22-15-AMW-4R	D157-04	415.1	AQ	TOC	J	0.804	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.37	1.00	UG/L
04-22-15-FDUP-4	D157-12	415.1	AQ	TOC	J	0.844	1.00	MG/L
04-22-15-PWB-10	D157-17	415.1	AQ	TOC	J	0.875	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.40	1.00	UG/L
				CARBON TETRACHLORIDE	J	0.42	1.00	UG/L
04-22-15-PWB-12	D157-05	415.1	AQ	TOC	J	0.958	1.00	MG/L
		8260B		CHLOROFORM	J	0.46	1.00	UG/L
		SM4500S2D		SULFIDE	J	0.0242	0.10	MG/L
04-22-15-PWB-14	D157-02	415.1	AQ	TOC	J	0.781	1.00	MG/L
		8151		DINOSEB	J	0.24	0.40	UG/L
04-22-15-PWB-15	D157-08	415.1	AQ	TOC	J	0.844	1.00	MG/L
		8151		DINOSEB	J	0.38	0.40	UG/L
04-22-15-PWB-16	D157-01	415.1	AQ	TOC	J	0.959	1.00	MG/L
04-22-15-PWB-4	D157-11	415.1	AQ	TOC	J	0.848	1.00	MG/L
04-22-15-PWB-5	D157-19	415.1	AQ	TOC	J	0.913	1.00	MG/L
		8260B		CHLOROFORM	J	0.70	1.00	UG/L
				METHYLENE CHLORIDE	J	0.60	1.00	UG/L
04-22-15-PWB-7A	D157-07	8260B	AQ	1,2-DIBROMO-3-CHLOROPROPANE	J	0.89	1.00	UG/L
				CHLOROFORM	J	0.81	1.00	UG/L
		SM4500S2D		SULFIDE	J	0.0315	0.10	MG/L
04-22-15-PWB-9	D157-14	8260B	AQ	ACETONE	J	5.9	10.00	UG/L
		8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	0.035	0.05	UG/L
04-22-15-WB2-1	D157-13	8260B	AQ	1,1-DICHLOROETHANE	J	0.27	1.00	UG/L
				1,2-DICHLOROETHANE	J	0.93	1.00	UG/L
	D157-13I			CHLOROFORM	J	17	25.00	UG/L
	D157-13			METHYLENE CHLORIDE	J	0.56	1.00	UG/L
				TETRACHLOROETHENE	J	0.26	1.00	UG/L
		8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	0.023	0.05	UG/L

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING***

Reporting Limits Outlier Report

Lab Report Batch: 15D157 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
04-22-15-WB2-2	D157-09	415.1	AQ	TOC	J	0.943	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.72	1.00	UG/L
04-22-15-WB2-4	D157-16	415.1	AQ	TOC	J	0.716	1.00	MG/L
		8260B		CHLOROFORM	J	0.45	1.00	UG/L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AMW-4R **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.804	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.37	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AMW-4R **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.3	UG/L		YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AMW-4R **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**					UJ									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.23	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AMW-4R **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-04

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-AMW-4R **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-04I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	28.6	MG/L		YES															
SULFATE	112	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-FDUP-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-12

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.844	MG/L	J	YES	**J**								J						L
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	48	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	14	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-FDUP-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-12

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	7.5	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-FDUP-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-12

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
METHYLENE CHLORIDE	1.8	UG/L		YES	**UJ**			U		J									I,F,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	51	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.31	UG/L		YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-FDUP-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-12

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-FDUP-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-12I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	53.7	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	7.3	UG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	44	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	5.0	UG/L	U	NO															P
1,2-DIBROMOETHANE	5.0	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-FDUP-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: D157-12I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
SULFATE	78.8	MG/L		YES	**J-**		J-												C-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-17

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.875	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.40	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-17

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	0.42	UG/L	J	YES	**J**								J						L
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-17

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	16	UG/L		YES	**J**					J									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.56	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-17

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-17I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	29.1	MG/L		YES															
SULFATE	144	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.958	MG/L	J	YES	**J**								J						L
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	17	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	3.3	UG/L		YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	4.4	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-05

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.46	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
METHYLENE CHLORIDE	5.2	UG/L		YES	**J**					J									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	18	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	3.5	UG/L	E	NO															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-05

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *SM4500S2D*																			
SULFIDE	0.0242	MG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-05I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	56.2	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	21	UG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	19	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	3.2	UG/L		YES															
1,2-DIBROMOETHANE	1.2	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: D157-05I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
SULFATE	68.3	MG/L		YES	**J-**		J-												C-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.781	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.24	UG/L	J	YES	**J**								J						L
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	2.5	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	14	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	13	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	30	UG/L		YES	**J**					J									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	2.5	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.085	UG/L		YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-02

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-02I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	11.4	MG/L		YES															
SULFATE	73.7	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	2.5	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.50	UG/L	U	NO															
1,2-DIBROMOETHANE	0.50	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-15 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.844	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.38	UG/L	J	YES	**J**								J						L
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.3	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	6.7	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-15 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	8.2	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-15 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	2.8	UG/L		YES	**UJ**			U		J									I,F,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	1.4	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.16	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-15 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-08

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-15 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-08I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	24.9	MG/L		YES															
SULFATE	101	MG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-16 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	1.24	MG/L		YES															
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.959	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.60	UG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	3.5	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	9.1	UG/L		YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-16 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-01

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.2	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-16 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	6.5	UG/L		YES	**J**					J									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	3.5	UG/L	E	NO															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-16 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-01

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-16 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-01I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
SULFATE	85.3	MG/L		YES	**J-**		J-												C-
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	3.5	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.50	UG/L	U	NO															
1,2-DIBROMOETHANE	0.50	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.848	MG/L	J	YES	**J**								J						L
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	46	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	14	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-11

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	7.3	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
METHYLENE CHLORIDE	1.7	UG/L		YES	**UJ**			U		J									I,F,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	51	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.30	UG/L		YES															P
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-11

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-11I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	54.1	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	7.5	UG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	48	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	5.0	UG/L	U	NO															P
1,2-DIBROMOETHANE	5.0	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: D157-11I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
SULFATE	85.1	MG/L		YES	**J-**		J-												C-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-5 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-19

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.913	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	1.9	UG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	16	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.9	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-5 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-19

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.70	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-5 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-19

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	0.60	UG/L	J	YES	**J**								J						L
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	17	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.45	UG/L		YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-5 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-19

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-5 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-19I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	41.6	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	17	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.2	UG/L	U	NO															
1,2-DIBROMOETHANE	1.2	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-5 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: D157-19I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
SULFATE	92.9	MG/L		YES	**J-**		J-												C-

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-7A **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	1.08	MG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	44	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.89	UG/L	J	YES	**J**								J						L
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	13	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-7A **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-07

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.81	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-7A **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
METHYLENE CHLORIDE	1.1	UG/L		YES	**UJ**			U		J									I,F,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	46	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.83	UG/L		YES															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-7A **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-07

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *SM4500S2D*																			
SULFIDE	0.0315	MG/L	J	YES	**J**								J						L

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-7A **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-07I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	60.9	MG/L		YES															
SULFATE	79.1	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	7.7	UG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	50	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	5.0	UG/L	U	NO															
1,2-DIBROMOETHANE	5.0	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-14

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	1.12	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	1.2	UG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	2.7	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.3	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-14

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	5.9	UG/L	J	YES	**J**								J						L
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-14

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	8.7	UG/L		YES	**J**					J									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	2.8	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.035	UG/L	J	YES	**J**								J						L

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-14

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-PWB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-14I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	30.2	MG/L		YES															
SULFATE	52.0	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	2.8	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.50	UG/L	U	NO															
1,2-DIBROMOETHANE	0.50	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-06

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**					UJ									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-10 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-06

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-11 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-10

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-11 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**					UJ									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-11 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-10

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-15

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-15

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-12 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-15

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-13 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-18

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-13 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-18

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-13 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-18

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-20

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-20

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-14 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-20

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-03

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-03

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**					UJ									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-TB-9 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-03

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-13

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	1.04	MG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	0.27	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	92	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	0.93	UG/L	J	YES	**J**								J						L
1,2-DICHLOROPROPANE	480	UG/L	E	NO															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-13

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	17	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-13

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
METHYLENE CHLORIDE	0.56	UG/L	J	YES	**UJ**			U		J			J						L,F,H-,I
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	0.26	UG/L	J	YES	**J**								J						L
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	95	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.023	UG/L	J	YES	**J**								J						L
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-13

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-13I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	63.7	MG/L		YES															
SULFATE	97.1	MG/L		YES															
Analysis Method : *8151*																			
DINOSEB	18	UG/L		YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	25	UG/L	U	NO															
1,1,1-TRICHLOROETHANE	25	UG/L	U	NO															
1,1,2,2-TETRACHLOROETHANE	25	UG/L	U	NO															
1,1,2-TRICHLOROETHANE	25	UG/L	U	NO															
1,1-DICHLOROETHANE	25	UG/L	U	NO															
1,1-DICHLOROETHENE	25	UG/L	U	NO															
1,1-DICHLOROPROPENE	25	UG/L	U	NO															
1,2,3-TRICHLOROBENZENE	25	UG/L	U	NO															
1,2,3-TRICHLOROPROPANE	110	UG/L		NO															
1,2,4-TRICHLOROBENZENE	25	UG/L	U	NO															
1,2,4-TRIMETHYLBENZENE	25	UG/L	U	NO															
1,2-DIBROMO-3-CHLOROPROPANE	25	UG/L	U	NO															
1,2-DIBROMOETHANE	25	UG/L	U	NO															
1,2-DICHLOROBENZENE	25	UG/L	U	NO															
1,2-DICHLOROETHANE	25	UG/L	U	NO															
1,2-DICHLOROPROPANE	950	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	25	UG/L	U	NO															
1,3-DICHLOROBENZENE	25	UG/L	U	NO															
1,3-DICHLOROPROPANE	12	UG/L	U	NO															
1,4-DICHLOROBENZENE	25	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-13I

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
2,2-DICHLOROPROPANE	25	UG/L	U	NO															
2-BUTANONE	250	UG/L	U	NO															
2-CHLOROTOLUENE	25	UG/L	U	NO															
2-HEXANONE	250	UG/L	U	NO															
4-CHLOROTOLUENE	25	UG/L	U	NO															
ACETONE	250	UG/L	U	NO															
BENZENE	25	UG/L	U	NO															
BROMOBENZENE	25	UG/L	U	NO															
BROMOCHLOROMETHANE	25	UG/L	U	NO															
BROMODICHLOROMETHANE	25	UG/L	U	NO															
BROMOFORM	25	UG/L	U	NO															
BROMOMETHANE	25	UG/L	U	NO															
CARBON DISULFIDE	25	UG/L	U	NO															
CARBON TETRACHLORIDE	25	UG/L	U	NO															
CHLOROBENZENE	25	UG/L	U	NO															
CHLOROETHANE	25	UG/L	U	NO															
CHLOROFORM	17	UG/L	J	NO	**J**								J						L
CHLOROMETHANE	25	UG/L	U	NO															
CIS-1,2-DICHLOROETHENE	25	UG/L	U	NO															
CIS-1,3-DICHLOROPROPENE	25	UG/L	U	NO															
DIBROMOCHLOROMETHANE	25	UG/L	U	NO															
DIBROMOMETHANE	25	UG/L	U	NO															
DICHLORODIFLUOROMETHANE	25	UG/L	U	NO															
ETHYLBENZENE	25	UG/L	U	NO															
FREON113	25	UG/L	U	NO															
HEXACHLOROBUTADIENE	25	UG/L	U	NO															
ISOPROPYL BENZENE	25	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-1 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-13I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
M,P-XYLENES	25	UG/L	U	NO															
METHYLENE CHLORIDE	25	UG/L	U	NO															
MIBK	250	UG/L	U	NO															
MTBE	25	UG/L	U	NO															
NAPHTHALENE	25	UG/L	U	NO															
N-BUTYLBENZENE	25	UG/L	U	NO															
N-PROPYLBENZENE	25	UG/L	U	NO															
O-XYLENE	25	UG/L	U	NO															
P-ISOPROPYLTOLUENE	25	UG/L	U	NO															
SEC-BUTYLBENZENE	25	UG/L	U	NO															
STYRENE	25	UG/L	U	NO															
TERT-BUTYLBENZENE	25	UG/L	U	NO															
TETRACHLOROETHENE	25	UG/L	U	NO															
TOLUENE	25	UG/L	U	NO															
TRANS-1,2-DICHLOROETHENE	25	UG/L	U	NO															
TRANS-1,3-DICHLOROPROPENE	25	UG/L	U	NO															
TRICHLOROETHENE	25	UG/L	U	NO															
TRICHLOROFLUOROMETHANE	25	UG/L	U	NO															
VINYL ACETATE	50	UG/L	U	NO															
VINYL CHLORIDE	25	UG/L	U	NO															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	88	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	12	UG/L	U	NO															
1,2-DIBROMOETHANE	12	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-2 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.943	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	2.3	UG/L		YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	0.72	UG/L	J	YES	**J**								J						L
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-2 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-09

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	1.0	UG/L	U	YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-2 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	1.0	UG/L	U	YES	**UJ**					UJ									I,H-
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	2.4	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.067	UG/L		YES															

Project Number and Name: ***ECO-13-601 - B & B GROUNDWATER SAMPLING*** ***Library Used:*** ***ECO_BrownandBryant_121114***

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-2 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-09

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**UJ**		UJ												C-
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-2 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-09I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	34.4	MG/L		YES															
SULFATE	119	MG/L		YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	2.3	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.50	UG/L	U	NO															
1,2-DIBROMOETHANE	0.50	UG/L	U	NO															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-16

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.716	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.40	UG/L	U	YES															
Analysis Method : *8260B*																			
1,1,1,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,1-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	U	YES															
1,1,2-TRICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHANE	1.0	UG/L	U	YES															
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	1.0	UG/L	U	YES															
1,2,4-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,4-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.0	UG/L	U	YES															
1,2-DIBROMOETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,2-DICHLOROETHANE	1.0	UG/L	U	YES															
1,2-DICHLOROPROPANE	1.5	UG/L		YES															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-16

Validated By / Date : **Approved By / Date :**

Analysis Method : ***8260B***

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
1,3-DICHLOROBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROPROPANE	0.50	UG/L	U	YES															
1,4-DICHLOROBENZENE	1.0	UG/L	U	YES															
2,2-DICHLOROPROPANE	1.0	UG/L	U	YES															
2-BUTANONE	10	UG/L	U	YES															
2-CHLOROTOLUENE	1.0	UG/L	U	YES															
2-HEXANONE	10	UG/L	U	YES															
4-CHLOROTOLUENE	1.0	UG/L	U	YES															
ACETONE	10	UG/L	U	YES															
BENZENE	1.0	UG/L	U	YES															
BROMOBENZENE	1.0	UG/L	U	YES															
BROMOCHLOROMETHANE	1.0	UG/L	U	YES															
BROMODICHLOROMETHANE	1.0	UG/L	U	YES															
BROMOFORM	1.0	UG/L	U	YES															
BROMOMETHANE	1.0	UG/L	U	YES															
CARBON DISULFIDE	1.0	UG/L	U	YES															
CARBON TETRACHLORIDE	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.45	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
DIBROMOCHLOROMETHANE	1.0	UG/L	U	YES															
DIBROMOMETHANE	1.0	UG/L	U	YES															
DICHLORODIFLUOROMETHANE	1.0	UG/L	U	YES															
ETHYLBENZENE	1.0	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-16

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B*																			
FREON113	1.0	UG/L	U	YES															
HEXACHLOROBUTADIENE	1.0	UG/L	U	YES															
ISOPROPYL BENZENE	1.0	UG/L	U	YES															
M,P-XYLENES	1.0	UG/L	U	YES															
METHYLENE CHLORIDE	16	UG/L		YES															
MIBK	10	UG/L	U	YES															
MTBE	1.0	UG/L	U	YES															
NAPHTHALENE	1.0	UG/L	U	YES															
N-BUTYLBENZENE	1.0	UG/L	U	YES															
N-PROPYLBENZENE	1.0	UG/L	U	YES															
O-XYLENE	1.0	UG/L	U	YES															
P-ISOPROPYLTOLUENE	1.0	UG/L	U	YES															
SEC-BUTYLBENZENE	1.0	UG/L	U	YES															
STYRENE	1.0	UG/L	U	YES															
TERT-BUTYLBENZENE	1.0	UG/L	U	YES															
TETRACHLOROETHENE	1.0	UG/L	U	YES															
TOLUENE	1.0	UG/L	U	YES															
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	U	YES															
TRICHLOROETHENE	1.0	UG/L	U	YES															
TRICHLOROFLUOROMETHANE	1.0	UG/L	U	YES															
VINYL ACETATE	2.0	UG/L	U	YES															
VINYL CHLORIDE	1.0	UG/L	U	YES															
Analysis Method : *8260B SIM*																			
1,2,3-TRICHLOROPROPANE	0.074	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.050	UG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D157-16

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *8260B SIM*																			
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															
Analysis Method : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : 04-22-15-WB2-4 **Lab Report Batch :** 15D157 **Lab ID :** EMXT

Sample Date : 04/22/2015 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: D157-16I

Validated By / Date : **Approved By / Date :**

Analyte Name	Result	Result Units	Lab Qual	Rep Res	Overall Val Qual	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : *300.0*																			
NITRATE-N	9.07	MG/L		YES															
SULFATE	42.6	MG/L		YES															

Data Validation Report

Groundwater Monitoring Data

for
Brown & Bryant

Arvin, CA
Project No.: Eco-13-601

SDG#: 15D157

LEVEL III & IV

Prepared for:

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April, 2015

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EXECUTIVE SUMMARY

This data validation report presents the evaluation and validation of the analytical data for twenty (20) ground water samples collected on 04-22-15 as part of biannually groundwater monitoring at Brown and Bryant, Arvin, California (CA). EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. The United States Army Corps of Engineers and the State of California have certified EMAX Laboratory to perform the analysis described within this project. (Eco & Associates Inc., April2013).

Twenty (20) ground water samples, which included six trip blank samples, one field duplicate sample and one pair of sample as MS/MSD, were collected on 04-22-14. EMAX Laboratory received the samples on 04-23-14. Trip blank samples accompanied the samples for volatile organic compounds and were analyzed for EPA Method 8260B only. The data was delivered in one package as Level III and Level IV deliverables. 10% of the data was subjected to validation equivalent to EPA Level IV data validation. Raw data for one sample from this sample group (04-22-15- PWB-12) was submitted as level IV deliverable for all the requested analytical methods. Raw data for designated sample as MS/MSD (04-22-15- PWB-10) together with all other QC samples were also submitted.

Level III data validation examined quality assurance/quality control (QA/QC) elements such as holding time, (both extraction and analysis), critical quality control measures, completeness of the results, extraction logs, instrument injection logs and summaries of initial and continuing calibration standards for the following EPA methods of analysis:

Volatile Organic Compounds by EPA Method **5030B**/**8260B**
Fumigants (EDB, DBCP & 1,2,3-Trichloropropane) by EPA Method **5030B/8260B SIM**
Dinoseb by EPA Method **8151A**
Anions (Nitrite-N, Nitrate-N and Sulfate) by IC, EPA Method **300.0**
Total Organic Carbon by Method **415.1**
Ferrous Iron by Standard Method **3500**
Total Sulfide by Standard Method **4500-S2D**
Methane and dissolved Hydrogen by EPA Method **RSK175**

At level IV data validation, the analytical results, QC results, initial calibration and related continuing calibration summary tables were comprehensively compared with the corresponding raw data and chromatograms presented with level IV data package.

All samples were analyzed for each of the components listed in the corresponding EPA Methods. The evaluation indicated that all the analytical work was performed as requested on the chain of custody. The extraction and analytical holding times were met for all samples in each method and subsequent dilutions.

Generally, data presented with this data package was considered acceptable and met quality control acceptance limits for each EPA Method, with some technical variations. The deviations are discussed in section 4.0 for each method. The results of sample analysis are tabulated in Appendix A.

1.0 INTRODUCTION

This report presents the evaluation and validation of analytical data collected as part of biannually groundwater monitoring at Brown and Bryant Superfund Site at Arvin, California.

1.1 Objectives and Scope of Data Validation

The main objective of this report is to evaluate the acceptability of groundwater data. The data validation was performed according to the analytical requirements of the method in the *Quality Assurance Project Plan, final Draft, Brown and Bryant, Arvin, CA,* (Project No: Eco-13-601, Eco & Associates Inc. December 2013), EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005, *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002) and Department of Defense Quality Systems Manual (DoD QSM) Version 4.2, 2010 .

1.2 Organization of the Report

Section 2.0 describes the components of the data review. Section 3.0 provides the qualitative quality assurance objectives. Section 4.0 summarizes the findings and conclusions of the data validation.

2.0 DATA REVIEW AND VALIDATION

Data validation is a systematic method for reviewing and qualifying the presented analytical data for their intended use. The objective of this data validation report is to identify any unacceptable or faulty measurements if any, as reported by the laboratory.

EMAX Laboratory in Torrance, California performed the chemical analysis of the samples. Army Corps of Engineers and the State of California have certified EMAX laboratory to perform the EPA Methods of analysis described within this report.

Twenty (20) ground water samples, which included six trip blank samples, one field duplicate sample, and a pair of sample as MS/MSD, were collected on 04-22-15. EMAX Laboratory received the samples on 04-23-15.

2.1 Data Reporting

The data was delivered in one package as Level III and Level IV deliverables. Ten percent of the data was subjected to validation equivalent to EPA Level IV data validation. EMAX Laboratory provided the following information in one data package for both LEVEL III and LEVEL IV deliverable.

- Sample identification number;
- Date of sample collection;
- Sample matrix type;
- Analysis method;
- Target lists and results of analysis;
- Quantitation limits and/or Reporting Limits;
- Laboratory qualifiers and qualifier definitions;
- Copies of sample logs and chain-of-custody logs;
- Sample preparation log (with the sample extraction date)
- Sample Analysis log (Instrument injection log with date and time of injection)
- Summary of initial and continuing calibrations;
- Quality control results and recoveries.

- Case narrative for each method.
- Raw data for all the initial calibration standards, Initial calibration verification standards (ICV), continuing calibration standards (CCV), ion fragments for positive hits, internal standard area counts and retention time window width, where applicable. Raw data for one sample (04-22-15- PWB-12) marked as level IV in the chain of custody as well as sample designated as MS/MSD (04-22-15-PWB-10); together with the associated QC samples were also included.

.

Data validation was performed in three stages: first an initial review of the analytical reports and QA/QC information was performed using summary results and summary tables only. Then, a full review of all analytical reports, QA/QC information, as well as the corresponding raw and analytical data was carried out. Finally summary tables and corresponding raw data of initial and continuing calibration standards, the extraction log, and injection (sequence) log were fully reviewed. Overall review assessed the effects of QA/QC results on the data usability. The review included such parameters as holding times, initial and continuing calibration method requirements, equipment performance check standards (Instrument tune check and degradation standards), surrogate recoveries, method blank results, lab control sample (LCS) and matrix spike/matrix spike duplicate (MS/MSD) for accuracy and precision.

Level IV data review compared the reported analytical results with those obtained from the raw data. Raw data was submitted for one sample at Level IV data deliverable for all the analytical methods requested on the chain of custody. Calculations and corresponding equations, as well as analyte identification criteria were all verified.

2.2 Data Evaluation

The following parameters were evaluated in the preliminary data review:

- Analysis performed and sample identifications were verified to be in accordance with the information provided on the chain-of-custody (COC);
- Technical holding times were confirmed for all samples with regard to the requested method of analysis (collection to extraction and extraction to analysis);

- Reported quantitation limits were compared with the project measurement objectives;
- Initial and continuing calibration standards were evaluated;
- Equipment performance standards (tuning check standard) was evaluated
- Field and laboratory blank results were evaluated;
- LCS/LCSD and MS/MSD results were evaluated; and
- Field and laboratory matrix duplicate results, trip blank results as well as surrogate recoveries, internal standards and instrument performance check compounds were evaluated.
- Chromatograms and mass spectrum results as well as ion fragments for positive hits were evaluated

The following is a list of sample identifications and corresponding laboratory sample identification numbers:

CLIENT ID		EMAX ID#	
04-22-15- PWB-16	D157-01	04-22-15- WB2-1	D157-13
04-22-15- PWB-14	D157-02	04-22-15-PWB-9	D157-14
04-22-15- TB-9	D157-03	04-22-15- TB-12	D157-15
04-22-15- AMW-4R	D157-04	04-22-15- WB2-4	D157-16
04-22-15- PWB-12	D157-05	04-22-15-PWB-10	D157-17
04-21-15- TB-10	D157-06	04-22-15- TB-13	D157-18
04-22-15- PWB-7A	D157-07	04-22-15-PWB-5	D157-19
04-22-15- PWB-15	D157-08	04-22-15- TB-14	D157-20
04-22-15- WB2-2	D157-09	04-22-15- PWB-10 MS	D157-17MS
04-22-15- TB-11	D157-10	04-22-15- PWB-10 MSD	D157-17MSD
04-22-15- PWB-4	D157-11	04-22-15- PWB-10 DUP	D157-17D
04-22-15- FDUP-4	D157-12		

Field duplicate and associated sample	
04-22-15-FDUP-4	04-22-15- PWB-4

Table 2-1 below shows the specified analysis for constituents in the water samples, the corresponding Environmental Protection Agency (EPA) analytical method, and the corresponding practical quantitation limits (PQL/RL).

TABLE 2-1

Summary of Analytical Parameters
Brown & Bryant, Arvin, California

MATRIX	CONSTITUENT		EPA METHOD	RLs (µg/L)
Water	Volatile Organic Compounds		8260B	1*
	Fumigants (EDB, DBCP and 1,2,3-Trichloropropane)		8260B SIM	0.05-0.05* 0.005(1,2,3-TCP)
	Herbicides (Dinoseb)		8151A	0.40
	Fixed gases	Dissolved Hydrogen	RSK175	10.0
		Methane	RSK175	1.0
	Ferrous Iron		SM3500	2.0mg/L
	Sulfide		SM4500S2D	0.1mg/L
	Anions By IC	Nitrite-N	300.0	0.100(mg/L)
		Nitrate-N	300.0	0.100(mg/L)
		Sulfate	300.0	0.500(mg/L)
	Total Organic Carbon		415.1	1.0mg/L

Notes:
* Reporting limits for each analyte is listed with corresponding sample result table in Appendix A
RL = Reporting Limit,
NA = Not Available
µg/L = microgram/Liter
mg/L= milligram/Liter

2.2.1 Holding Times

Technical holding times are defined as the maximum time allowed between sample collection, extraction and analysis. A 14-day collection-to-analysis holding time was used for EPA Method 8260B and 8260B SIM. Samples were acidified to pH less than 2. A 7-day holding time from collection to extraction, and 40-day holding time from extraction-to-analysis was met, for EPA Method 8151A. Holding time of 48-Hours from collection to analysis was met for analysis of Anions.

TABLE 2-2
Summary of Analytical Methods and Holding Time Requirements
Brown & Bryant, Arvin, California

ANALYSIS Method	MATRIX	HOLDING TIME REQUIREMENT	DATA QUALIFIED AS "J"	DATA QUALIFIED AS "R"
EPA Method 8260B	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8260B SIM	Water	14 days to analysis; 7-day to analysis if not acidified	None. Holding times were met	None. Holding times were met
EPA Method 8151A	Water	7 days to extraction, 40 days to analysis	None. Holding times were met	None. Holding times were met
Nitrate, Nitrite & by EPA Method 300.0	Water	48 hours to extraction and analysis	None. Holding times were met	None. Holding times were met
Sulfate by EPA Method 300.0	Water	28 days from collection to analysis	None. Holding times were met	None. Holding times were met
Sulfide by SM4500S2D	Water	7 days from collection to analysis	None. Holding times were met	None. Holding times were met
Ferrous Iron by SM3500	Water	24 hours from collection to analysis	Holding times not met*	Holding times not met*
TOC by Method 415.1	Water	28 days to analysis	None. Holding times were	None. Holding times were met
Dissolved Hydrogen and Methane by RSK175	Water	14 days from collection to analysis	None. Holding times were met	None. Holding times were met

*All samples were analyzed for Ferrous Iron one-day past holding time;

2.2.2 Laboratory and Field Blanks

The objective of laboratory and field blanks is to determine the presence and extent of contamination resulting from laboratory or field activities. Blanks reported here included method and/or extraction blanks, and trip blanks. The result of analysis of method blank is discussed in section 4.0 for each method. All samples were transported in six ice preserved coolers and were stored in a refrigerator upon arrival to the laboratory. The temperatures of the coolers were recorded as 2.0˚C to 4.2˚C C for each upon arrival. All samples were received intact and in good condition.

3.0 QUALITY ASSURANCE OBJECTIVES

Quality assurance (QA) objectives define analytical parameters that validate the conclusions drawn from the results. Quality assurance was assessed through the following means: precision, accuracy, representativeness, completeness, and comparability (PARCC).

3.1 Qualitative QA Objectives

Qualitative aspects of QA for analytical data are characterized by completeness and representativeness.

3.1.1 Comparability

Comparability defines the level of confidence with which one data set can be compared with another. Comparability is related to accuracy and precision. It is also a measure of the data's reliability. All units for comparability are in accordance with standard procedures so that the results could be compared with other laboratories if necessary.

3.1.2 Representativeness

Representativeness is a quantity, which presents whether the results of analysis accurately portray the actual site conditions. Representativeness is a qualitative parameter, which signifies the extent of accuracy and precision, to which the data represent a characteristic population, parameter variations at a sampling point, process condition, or environmental conditions. The sampling procedures described within the approved QAPP (Eco & Associates, Inc., final version, April 2011) are designed to provide samples representative of the site conditions.

3.2 Quantitative QA Objectives

Quantitative QA Objectives for analytical data are defined as precision, accuracy, completeness, and method quantitation limits. These quantitative parameters are established in order to monitor the overall quality of analytical data produced by the laboratory. The laboratory performing the analytical methods specified in Table 2-1, and the case narratives, which is included in the data package from the laboratory, ensures the quality of the analytical data.

3.2.1 Precision

Precision is a measure of the closeness with which multiple analyses of a given sample agree with each other. It describes the agreement between two or more measurements that have been made in exactly the same way. Precision is measured through matrix spike/matrix spike duplicate samples, and laboratory control sample/laboratory control sample duplicate analysis. The relative percent difference (RPD) is calculated as a means of quantifying precision. The following equation is used for this purpose:

$$RPD = \frac{R_1 - R_2}{(R_1 + R_2)/2} \times 100$$

Where:

RPD = Relative percent difference

R_1 = Result of the first duplicate or measured sample concentration

R_2 = Result of the second duplicate or known sample or duplicate concentration

When analytes are present at concentrations below or near the quantitation limit, precision is measured, using MS/MSD, and/or LCS/LCSD results.
Precision results are discussed in Section 4.0 of this report.

3.2.2 Accuracy

Accuracy indicates the closeness of the measurement to its true or accepted value. Accuracy measures agreement between a result and its true value. Accuracy is measured through lab control sample (LCS) analysis and surrogate recoveries. Method-specific QA objectives for precision and accuracy were based on the quality control limits developed by the laboratory for the analytical methods, specified in Table 2-1. Additionally, initial and continuing calibrations were used to verify that the analytical instrument accurately measured the compound concentrations. Calculations were independently verified for the response factors and percent differences (%Ds).

3.2.3 Completeness

Completeness is defined as the percentage of total measurements, which are judged to be valid. The completeness objective is to obtain a sufficient amount of valid data to enable the goals and objectives of the project to be achieved.

Completeness is quantified by computing the fraction of reports, which remained valid after the sampling procedures were reviewed and the results conformed to QA/QC protocols. The following equation was used to calculate completeness:

$$\text{Completeness} = \frac{\text{No. of valid field samples with valid analysis}}{\text{No. of valid field samples collected}} \times 100$$

Completeness is affected by anything that reduces the number of samples analyzed (such as a sample bottle breaking), as well as acceptance or non-acceptance of analytical results.

4.0 DATA VALIDATION

This data review covers twenty (20) ground water samples listed on page 8 including dilutions if applicable. The analyses were according to the following EPA Methods:

EPA **Method 5030B/8260B** for volatile organic compounds

EPA **Method 5030B/8260B SIM** for fumigants (EDB, DBCP and 1, 2, 3-Trichloropropane)

EPA **Method 8151A** for Chlorinated Herbicides (Dinoseb)

Anions (Nitrite-N, Nitrate-N and Sulfate) by IC, EPA **Method 300.0**

Total Organic Carbon; **Method 415.1**

Ferrous Iron by Standard **Method 3500**

Total Sulfide by Standard Method **4500-S2D**

Methane and dissolved Hydrogen by EPA **Method RSK175**

This review follows USEPA Analytical Operations/Data Quality Center (*AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002); and EM 200-1-10 Guidance for Evaluating Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005. The following subsections correlate to the above guidelines.

A summary table summarizing all data and qualification, if any is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

The following are definitions of the data qualifiers:

U Indicates the compound was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None indicates the finding did not significantly impact the data; therefore qualification was not required.

4.1. VOC (EPA Method 5030B/8260B)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of twenty (20) ground water samples were collected on 04-22-15. All samples and sample dilutions were analyzed on 04-27-15, 04-28-15 and 05-04-15. Samples, QC samples and sample dilutions were analyzed with reference to two analytical batches (preparation batch: VO06D16 and VO67E03).

The chain-of-custody was reviewed for documentation of sample information and method of analysis.

Table 1 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration on 12-18-14 and 03-03-15. At the start of each analytical batch on 04-24-15 and 05-04-15, the tune check standard was also injected. All the mass ratio requirements were within the assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to two sets of initial calibration using GC/MSD with instrument ID #s TO-67 and TO-06. Initial calibration curves were generated on 12-18-14 and 03-03-15. A multilevel calibration curve ranging from 0.3µg/L to 100µg/L was used for this purpose (few compounds were calibrated from (0.3 µg/L-30 µg/L). All analytes were calibrated with a minimum of five calibration levels. Internal standard curve type was used for initial calibration. Minimum response factor for system performance check compounds (SPCCs) were within the method acceptable limits. Response factors at each level were randomly recalculated and all agreed with the response factors presented in the initial calibration summary table.

Minimum average response factors for the system performance check compounds (SPCCs) for each instrument were recognized according to the following tables:

Table 4.1.1: System Performance Check Compounds (Initial calibration)

System Performance check compounds (SPCCs)	Min. Ave. Response Factor (Method limits)	Ave. Res. Factor 12-18-14 (Calculated) Instrument ID#: T-O67	Ave. Res. Factor 03-03-15 (Calculated) Instrument ID#: T-O06
Chloromethane	≥ 0.10	0.498	0.322
1,1 -dichloroethane	≥ 0.10	0.560	0.572
Bromoform	≥ 0.10	0.359	0.393
Chlorobenzene	≥ 0.30	0.963	0.924
1,1,2,2-Tetrachloroethane	≥ 0.30	0.528	0.642

Average response factor curve fit was mainly used to show linearity within standard levels in initial calibration. Maximum 15% RSD limit was met for all the target compounds.

Least square linear regression curve fit was used for the following compounds where %RSD exceeded the maximum15 percent limit.

Target Analytes	Linear Regression (CCF) 12-18-14 Instrument ID#: T-O67	Linear Regression (CCF) 03-03-15 Instrument ID#: T-O06
Bromomethane	0.9978	NA
Methyl Acetate	0.9993	NA
Tetrahydrofuran	NA	0.9953

Calibration check compounds (CCCs) met the acceptance criteria for %RSD among the response factors calculated for each level. Table 4.1.2 lists the CCCs with the method requirement acceptance limits and the calculated %RSD among the response factors for each initial calibration.

Table 4.1.2 Calibration Check Compounds (CCCs): Initial Calibration

Calibration Check Compounds (CCCs)	Response Factors %RSD (Limit)	Response Factors %RSD 12-18-14 Instrument ID#: T-O67	Response Factors %RSD 03-03-15 Instrument ID#: T-O06
1,1-Dichloroethene	-≤ 30%	3.74%	4.35%
Chloroform	-≤ 30%	4.26%	7.42%
1,2-Dichloropropane	-≤ 30%	4.08%	5.28%
Toluene	-≤ 30%	3.83%	8.22%
Ethyl benzene	-≤ 30%	3.76%	5.68%
Vinyl chloride	-≤ 30%	13.43%	10.45%

Initial Calibration Verification and Continuing Calibration verification (Daily Calibration)

Initial calibration was verified by a second source standard at the end of each calibration and before sample analysis on 12-19-14 and 03-04-15. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

Two continuing calibration check standards were analyzed at the beginning of each analytical shift on 04-27-15 and 05-04-15. Prior to analysis of each continuing calibration standard, **instrument performance check standard** analysis (BFB tune check) was carried out. It passed all the method tuning criteria.

The minimum average response factors for the system performance check compounds (SPCCs) for continuing calibration standard was within the method limits. The following table lists average response factors for system performance check compounds.

Table 4.1.3: System Performance Check Compounds: (Daily calibration)

System Performance Check compounds (SPCCs)	**Minimum response factor (Method limits)**	**Second source St.** Response factors **T-O67** CCRF (12-19-14)	**Second source St.** Response factors **T-O06** CCRF (03-04-15)	**Continuing cal. T-O06** Response factors CCRF (04-27-15)	**Continuing cal. T-O67** Response factors CCRF (05-04-15)
Chloromethane	≥ 0.10	0.457	0.329	0.295	0.437
1,1-Dichloroethane	≥ 0.10	0.615	0.566	0.569	0.517
Chlorobenzene	≥ 0.10	1.034	0.853	0.994	1.025
Bromoform	≥ 0.30	0.374	0.370	0.391	0.370
1,1,2,2-Tetrachloroethane	≥ 0.30	0.550	0.569	0.567	0.494

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all the Calibration Check Compounds (CCCs) and less than or equal to 20% for all other target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration. The calculated % difference between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.1.4 for continuing calibration compounds as follows:

Table 4.1.4 Calibration Check Compounds (CCCs): ICV and Daily Calibration

Calibration Check Compounds (CCCs)	%Deviation From Initial calibration (Acceptance Limit)	Deviation from Initial calibration 2nd source (12-19-14) T-O67	Deviation from Initial calibration 2nd source (03-04-14) T-O06	Deviation from Initial calibration Daily calibration (04-27-15) T-O06	Deviation from Initial calibration Daily calibration (05-04-15) T-O67
Vinyl chloride	-≤ 20%	5.5%	1.5%	5.6%	14.7%
1,1-Dichloroethene	-≤ 20%	5.7%	0.2%	6.2%	10.0%
Chloroform	-≤ 20%	8.5%	4.2%	7.8%	2.4%
1,2-Dichloropropane	-≤ 20%	8.8%	0.00%	1.0%	6.5%
Toluene	-≤ 20%	5.3%	10.3%	2.7%	4.9%
Ethyl benzene	-≤ 20%	2.8%	10.9%	6.7%	2.3%

Deviation from the initial calibration was less than 20 percent for the rest of target list (Non-CC compounds), except for 2-Chloroethyl Vinyl ether (D=82.5%) for daily check standard analyzed on 05-04-15 and Trichlorfluoromethane (D=27.2%) for daily standard analyzed on 04-27-15 (instrument ID#T-O06).

Quality Control samples: The QC samples reported consisted of two method blanks, two sets of LCS/LCSD and MS/MSD. Client's designated sample (04-22-15-PWB-10) was spiked for precision as MS/MSD. The full list of target compounds were spiked and reported for LCS/LCSD as well as MS/MSD. Percent recoveries and percent RPDs for all the QC samples reported were within the project acceptance limits for all of the reported compounds in LCS/LCSD and MS/MSD. Only Methylene chloride failed the lower acceptance limit in MS/MSD as show in the following table:

Analyte	04-22-15 PWB-10 MS % Recovery	04-22-15 PWB-1 MSD* % Recovery	Limits
Methylene chloride	14%*	31%*	55-140%

* Failed the QC acceptance limit

This issue was acknowledged in the case narrative, which was related to matrix.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary table.

Method blanks: Two method blanks were presented with the data package, analyzed on 04-27-15 and 05-04-15 (batch #VO06D16 and VO67E03). Method blanks were reported as non-detected for analytes in the target list. However, a trace of Methylene chloride was detected in method blank analyzed on 04-27-15 (Batch #VO06D16).

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was identified as field duplicate of sample 04-22-15-PWB-4. Results of positive hits for each sample and corresponding sample duplicate are shown in the following table:

Analyte	04-22-15 FDUP-4 µg/L	04-22-15 PWB-4 µg/L	**%RPD**
1,2,3-Trichloropropane	48	46	4.25%
1,2-dichloropropane	14	14	<1%
Chloroform	7.5	7.3	2.7%
Methylene chloride	1.8	1.7	5.7%

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Raw data for one sample, 04-22-15-PWB-12, was submitted as level IV data deliverable. Raw data for associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 1 appendix A.

4.2. EPA Method 5030B/8260B SIM (FUMIGANTS)

Technical Holding Times

A 14-day technical holding time requirement was met for all the samples. A total of fourteen (14) ground water samples were collected on 04-22-15. All samples and QC samples were analyzed on 04-28-15 and 04-29-15. Samples and QC samples were analyzed with reference to two preparation batches (VO01D24 and VO01D25).

The chain-of-custody was reviewed for documentation of sample information and method of analysis. Samples were analyzed for three fumigants: 1,2-Dibromomethane (EDB), 1,2,3-Trichloropropane (TCP), and 1,2-Dibromo-3-chloropropane (DBCP). A Mass detector at Selected Ion Monitoring mode (SIM) was used to achieve low detection limits required for the target compounds.

Table 2 in appendix A summarizes the list of samples with the results and qualification notations.

Tuning criteria

The performance of the instrument was checked by injection of a single component tune check standard (BFB: Bromofluorobenzene) prior to initial calibration and at the start of analytical batch. All mass ratios were within the method assigned criteria.

Initial Calibration

Ground water samples were analyzed with reference to one set of initial calibration using purge and trap together with GC/MSD at selected ion monitoring mode. Instrument ID # T-O01 was used for the analysis. Initial calibration curve was generated on 01-13-15. A multilevel calibration curve ranging from 5-10ng/L (ppt) to 2000ng/L (ppt) was used for this purpose. (Lowest calibration level for 1,2-Dibromo-3-chloropropane was 10ng/L). Instrument performance check standard (BFB) was analyzed prior to initial calibration. It passed all the tuning criteria. Modified version of SW-846 8260B (SIM) was used for generation of calibration curve and data. Internal standard curve type was used for initial calibration. Minimum response factor for all the target compounds were within the method acceptable limits. Average response factor curve fit was used to show linearity. Percent relative standard deviation (%RSD) among

response factors was less than 15% for all target analytes. Using results from raw data, response factors at each level were randomly recalculated and all agreed with the response factors submitted in the initial calibration summary table.

Initial Calibration Verification and Continuing Calibration (Daily calibration)

The initial calibration curve was verified by a second source standard (ICV) at the end of calibration and before sample analysis on 01-13-15. Quality control criteria regarding minimum response factors were within methods, acceptance limits. Percent differences (%D) between initial calibration average response factors (RRFs) and the initial calibration verification response factors (RFs) were less than or equal to 20% for all target compounds.

Two continuing calibration check standards were analyzed at the beginning of each analytical shift on 04-28-15 and 04-29-15. Prior to analysis of continuing calibration, instrument performance check was carried out by injection of BFB tune check standard. Instrument mass ratios were all within specifications of the method.

The calculated % difference (%D) between RFs from continuing calibration and average response factors from initial calibration is summarized in Table 4.2.1 for the targets of interest in this method as follows:

Table 4.2.1: Percent difference from initial calibration: (Daily calibration)

Target Compounds	% Deviation From Initial Calibration Method Criteria	% Deviation From Initial Calibration 2nd Source St. (Calculated) **(01-13-15)**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-28-15)**	% Deviation From Initial Calibration Daily St. (Calculated) **(04-29-15)**
1,2-Dibromomethane (EDB)	≤ 20%	8.6%	3.2%	7.8%
1,2,3-Trichloropropane(TCP)	≤ 20%	8.8%	2.9%	3.7%
1,2-Dibromo-3-chloroporopane (DBCP)	≤ 20%	4.2%	9.0%	17.0%

Calculated percent differences (%drift) between initial calibration RRFs (average response factors) and the continuing calibration response factors (CCRF) were less than or equal to 20% for all target analytes. The area counts for all internal standards were within ± 50-150 percent of the same level in the initial calibration.

Quality Control: The QC samples reported consisted of two method blanks, two sets of LCS/LCSD and MS/MSD. Client's designated sample, 04-22-15-PWB-10 was spiked for precision as MS/MSD. All three target compounds were spiked and reported for LCS/LCSD and MS/MSD. Percent recoveries and percent RPDs for LCS/LCSD and MS/MSD were within the project acceptance limits for all reported compounds.

The results, percent recoveries and RPDs were recalculated randomly and all agreed with the reported QC summary tables.

Method blanks: Two method blanks were presented with the data package, analyzed on 04-28-15 and 04-29-15 (batch # VO01D24 and VO01D25). Method blanks were reported as non-detected for analytes in the target list.

Surrogate recoveries were all within the method's acceptance limits. The reported results for each sample are incorporated in table 1 in appendix A.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was identified as field duplicate of sample 04-22-15- PWB-4. Results of positive hits for each sample and corresponding sample duplicate are shown in the following table:

Analyte	04-22-15 FDUP-4 µg/L	04-22-15 PWB-4 µg/L	**%RPD**
1,2-Dibromoethane (EDB)	ND	ND	NA
1,2-Dibromo-3-chloropropane	0.30	0.31	3.28%
1, 2,3-Trichloropropane	48	44	8.70%

Raw data for one sample, 04-22-15-PWB-12, together with all further dilutions was submitted as level IV data deliverable. Raw data for all associated QC samples were also included as Level IV data deliverable. The results calculated from the raw data, agreed with all the results reported in data summary reports. The sample results together with the surrogate recoveries are tabulated in table 2 Appendix A.

4.3 DINOSEB BY GC/ECD (EPA Method 8151A)

Technical Holding Times

A 7-day technical holding time from sample collection to extraction and 40-day from extraction to analysis was met for all samples. A total of fourteen (14) ground water samples were collected on 04-22-15. Samples were extracted with one preparation batch on 04-28-15 (preparation batch # HED011W). Sample extracts were all analyzed within 40-day holding time on 04-28-15 and 04-29-15.

EPA Method 8151A uses GC equipped with two Electron Capture Detectors (ECDs) and two columns connected to the same injection port for analysis. Results and raw data generated from both columns were submitted. Chlorinated Herbicides (Dinoseb) was determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration generated on 04-08-15. Seven calibration levels (18.9-189 µg/L) were used in initial calibration. Channel A and B were both calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel. Percent relative standard deviation (%RSD) among calibration factors (CFs) for both channel A and B were less than 20% for all target compounds. Retention time window width (0.014-0.030min) was established by using initial calibration standards at each level. All further sample and QC analysis identification were based on the assigned retention time windows set by initial calibration for each peak. The instrument was calibrated for full list of Herbicides, both for initial calibration and continuing (daily calibration), but the result of analysis was reported only for Dinoseb.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Initial calibration curve was verified by a second source standard at the end of calibration and prior to sample analysis on 04-08-15. Percent difference between mean calibration factors from initial calibration and calibration factors calculated from the second source were less than 15% for both Dinoseb and DCPA (used as surrogate).

Five continuing calibration standards with intervals of 10 sample injections were analyzed with samples, and QC samples. Samples were analyzed on 04-28-15 and 04-29-15. Percent difference between initial calibration average response factors and the response factors calculated for Dinoseb from continuing calibrations were less than 20% for all standards. Results for surrogate recoveries and QC samples were reported from both channel A and B.

Quality Control samples consisted of one method blank, one set of LCS/LCSD and MS/MSD for preparation batch #HED011W. Client's designated sample (04-22-15-PWB-10) was spiked for precision as MS/MSD. Full Herbicide list was spiked for LCS/LCSD and MS/MSD, but only the result of Dinoseb and DCPA (as surrogate) were reported for precision and accuracy. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD and MS/MSD. Calculated %RPD was less than 30% acceptance limit

Method blank was reviewed for each component and no herbicide was found in the method blank for the extraction batch # HED011W.

Surrogate recoveries were all within the method's acceptable limits for all initial analyses. The calculated result for each sample is incorporated in table 3 in Appendix A.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was recognized as field duplicate of sample 04-22-15-PWB-4. Results of analysis for sample and corresponding sample duplicate are shown in the following table:

Analyte	04-22-15 FDUP-4 µg/L	04-22-15 PWB-4 µg/L	**%RPD**
Dinoseb	7.3	7.5	2.7%

Raw data for one sample, 04-22-15-PWB-12, with related QC samples were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results together with the surrogate recoveries are tabulated in table 3 Appendix A.

4.4 Method 300.0: Anions

A total of fourteen (14) ground water samples were collected on 04-22-15. Samples were analyzed for Nitrate-N, Nitrite and Sulfate using Ion Chromatography (IC) on 04-23-15 and 04-24-15 and 04-27-15 (batch #ICD017W, ICD019W and ICD021W). Dilutions for Sulfite were analyzed 0n 04-27-15 (within 28-day holding time). All the field samples and dilutions were analyzed within 48-hour holding time requirement.

Anions such as Nitrate-N, Nitrite-N and Sulfate were separated from water samples by Ion chromatography. The separated anions in their acid form (very conductive) were measured by conductivity. They were identified on the basis of retention time as compared to previously established retention time window set by reference standards.

One set of initial calibration curve (ranging from 0.05 to 20 mg/L) was generated on 04-21-15. Instrument was initially calibrated with nine calibration levels. Linear curve type with correlation coefficients of at least 0.999 was used for each anion throughout analysis. Percent RSD among calibration factors was less than 15%. Calibration curve (concentration of each anion versus area count of each anion) was presented for each target compound. Area for each level was randomly checked with the values and equations presented with each calibration curve. All agreed with the raw data. Retention time window was established for each anion. A second source standard mixture at mid-point (1.0mg/L for Nitrate and 5.0mg/L for Sulfate) was used to verify the linearity of initial calibration for each anion on 04-21-15. Recoveries were all within 90-110% of initial value.

Daily (Continuing) Calibrations:

A total of nine continuing calibration standards were analyzed on 04-23-15, 04-24-15 and 04-27-15. Continuing calibration standards were analyzed with samples, sample dilutions and QC samples. The recoveries of target anions were within 90-110% of the expected values in all submitted continuing calibration standards. After each continuing calibration standard, one calibration blank was injected. All the blanks were reported as non-detected regarding all the target anions.

Quality Control Samples consisted of three method blanks and three sets of LCS/LCSD and MS/MSD for each requested anion. Client's designated sample (04-22-15-PWB-10) was

spiked for precision as MS/MSD. It was also analyzed as sample duplicate. Recoveries of LCS/LCSD and MS/MSD were within 90-110 % of spiked values, covering the QC limits requirements. Percent RPDs were less than 20% for LCS/LCSD. Each QC set was analyzed with the same dilution factor as the one used for reporting the corresponding anion.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was identified as field duplicate of sample 04-22-15-PWB-4. Results of analysis for sample and corresponding sample duplicate are shown in the following table:

Analyte	04-22-15 FDUP-4 mg/L	04-22-15 PWB-4 mg/L	%RPD
Nitrate-N	53.7	54.1	<1%
Nitrite-N	ND	ND	NA
Sulfate	78.8	85.1	7.69%

Raw data for one sample, 04-22-15-PWB-12, with related QC samples and dilutions were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 4 Appendix A.

4.5 Total Organic Carbon (TOC) by EPA Method 415.1

A total of fourteen (14) ground water samples were collected on 04-22-15. Samples were analyzed for Total Organic Carbon (TOC) on 04-24-15 and 04-25-15 (batch #TCD007W), within 28-days holding time requirement. Organically bound carbons in water are measured by oxidation or combustion of organic molecules to single smaller molecules. TOC analyzers utilize high temperature combustion to convert Organic Carbon to carbon dioxide, which is measured by the analyzer. Non-Purgable Organic Carbon (NPOC) is the target of interest.

One set of initial calibration curve with at least 5 calibration levels (ranging from 1.0mg/L to 80 mg/L) was generated on 04-24-15. Linear curve type with correlation coefficients of at least 0.999641 was used throughout analysis. Calibration curve (area versus concentration) was presented for Non-purgable Organic Carbon. Results for each level was

randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard mixture at mid-point of the calibration curve (25mg/L) was used to verify the linearity of each initial calibration on 04-24-15. Recoveries were all within 90-110% of initial value. Continuing calibration standards, together with continuing calibration blanks were analyzed at 10-injection intervals on 04-25-15. They all passed the assigned calibration criteria.

Quality Control Samples consisted of one method blank, one sets of LCS/LCSD and MS/MSD. Client designated sample (04-22-15-PWB-10) was spiked as MS/MSD. It was also analyzed as sample duplicate. Recoveries of LCS/LCSD and MS/MSD were within 80-120 % of spiked values, covering the QC limits requirements. Percent RPDs were less than 20% for the presented QC.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was identified as field duplicate of sample 04-22-15-PWB-4. Results of TOC analysis for each sample and corresponding sample duplicates are shown in the following table:

Analyte	04-22-15 FDUP-4 mg/L	04-22-15 PWB-4 mg/L	**%RPD**
TOC	0.844J	0.848J	<1%

Raw data and corresponding chromatogram for all fourteen samples with QC samples were presented with the data package. Four readings were recorded for each sample. Final reported results were average of the four readings for each sample. The sample results are tabulated in table 5 Appendix A.

4.6 Ferrous Iron by Standard Method 3500

A total of fourteen (14) ground water samples were collected on 04-22-15. Samples were analyzed for Ferrous Iron on 04-24-15. All samples were analyzed 24-hour past holding time (Method asks for immediate analysis after sampling up to 24 hours). Ferrous Iron (in reduced form) reacts with an oxidation-reduction indicator (o-Phenanthroline), resulting in a colored complex. The intensity of color formed due to reaction, is proportional to the amount of ferrous iron in the solution and can be detected and measured by a spectrophotometer.

One set of initial calibration curve with at least 5 calibration levels (ranging from 2.0mg/L to 25 mg/L) was generated on 04-24-15. Linear curve type with correlation coefficients of at least 0.999788 was used throughout analysis. Calibration curve (Absorbance versus concentration) was presented for initial calibration standards. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard (ICV) mixture at mid-point (15mg/L) was used to verify the linearity of initial calibration on 04-24-15. Recoveries were all within 90-110% of initial value. Two continuing calibration standards (CCV), together with continuing calibration blanks were analyzed with samples and QC samples on 04-24-15. They passed the calibration criteria.

Quality Control Samples consisted of method blank, one set of LCS/LCSD, MS/MSD and sample duplicate. Client designated sample (04-22-15-PWB-10) was spiked as MS/MSD and also analyzed as sample duplicate for evaluation of accuracy and precision. Recoveries of LCS/LCSD and MS/MSD were within the acceptance limit of 80-120 % of spiked value. Percent RPDs were less than 20% for LCS/LCSD.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was recognized as field duplicate of sample 04-22-15-PWB-4. Both sample and the corresponding associated sample duplicate were reported as non-detected for Ferrous Iron.

Raw data that included results of analysis and calibration curve was presented for all fourteen samples together with QC samples. The sample results are tabulated in table 6 Appendix A.

4.7 Sulfide by Standard Method SM4500-S2D

A total of fourteen (14) ground water samples were collected on 04-22-15. Samples were analyzed for Total Sulfide on 04-28-15, within seven-day holding time (batch #SFD006W).

The method is based on reaction of Sulfide, Ferric chloride and Amine-sulfuric acid to produce Methylene blue. The intensity of color is proportional to the sulfide concentration in water. The intensity of color resulting from reaction can be detected and measured by a spectrophotometer.

One set of initial calibration curve with at least 5 calibration levels (ranging from 0.02mg/L to 0.80 mg/L) was generated on 04-28-15. Linear curve type with correlation coefficient of at least 0.999459 was used throughout analysis. Calibration curve (Absorbance versus concentration of standard solutions), together with related equations was presented. Results for each level was randomly checked with the values and equations presented with the calibration curve. All agreed with the raw data.

A second source standard mixture at mid-point (0.40mg/L) was used to verify the linearity of initial calibration on 04-28-15. Recoveries were all within 90-110% of initial value. Two continuing calibration standards, together with continuing calibration blanks were analyzed with samples and QC samples on 04-28-15. They passed the calibration criteria.

Quality Control Samples consisted of one method blank, one set of LCS/LCSD, MS and sample duplicate. Client designated sample (04-22-15-PWB-10) was spiked as MS and also analyzed as sample duplicate for evaluation of accuracy and precision. Recoveries of LCS/LCSD and MS were within 80-120 %, covering the QC limits requirements of spiked values. Percent RPDs were less than 20% for LCS/LCSD.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was recognized as field duplicate of sample 04-22-15-PWB-4. Both field sample and associated field duplicate sample were reported as non-detected for total Sulfide.

Raw data for all fourteen samples, with related QC samples and were submitted at level IV deliverable. Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 7 Appendix A.

4.8. METHANE and DISSOVED HYDROGEN by EPA Method RSK175

Technical Holding Times

A 14-day technical holding time from sample collection to analysis was met for all samples. A total of fourteen (14) ground water samples were collected 04-22-15. Samples were all analyzed within the 14-day holding time on 04-29-15 and 04-30-15.

EPA Method RSK175 uses GC equipped with a thermal conductivity detector (TCD) and a flame ionization detector (FID). Sample from headspace is injected into a GC with a single column connected to two detectors in series. GC/FID response was used for Methane and GC/TCD response was used for Hydrogen.

Results of analysis from both detectors were submitted. Methane and dissolved hydrogen were determined by this method.

Initial Calibration

Samples were analyzed with reference to one initial calibration for each analyte (gas). GC/TCD was calibrated with five calibration levels (1000-50000 ppmv for Hydrogen) on 06-30-14 and GC/FID was calibrated with five calibration levels (3-10000ppmv for Methane) on 04-28-15. The same instrument was used (instrument ID#GC8A) for both detectors but samples were injected separately for each calibration/detector. Both detectors were calibrated. External standard curve type was used for calibration. Calibration factor (area for each compound versus concentration) was used for calculation. Average response factor was used to show linearity for each channel.

Linear curve type was used for both detectors (TCD) and (FID) with correlation coefficient of 0.999293 for Hydrogen (TCD) and $r^{2=}$0.999846 for Methane (FID). Retention time window width was established by using initial calibration standards at each level. All further

sample and QC analysis identification were based on the assigned time windows set by initial calibration for each peak.

Initial Calibration Verification (ICV) and Continuing (Daily) Calibration

Continuing calibration verification standard (CCV) was submitted for both Hydrogen (TCD detector) and Methane (FID detector). Percent difference was less than 20% for both detectors. Continuing calibration standards with intervals of 10 sample injections were analyzed with samples and all the QC samples. All samples and QC samples were analyzed on 04-29-15 and 04-30-15. Percent difference between initial calibration average response factors and the response factors calculated for each analyte from continuing calibrations were less than 20% for all standards.

Quality Control samples consisted of one method blank, one set of LCS/LCSD and MS/MSD. Client designated sample 04-22-15-PWB-10 was spiked for accuracy and precision. Both Hydrogen and Methane were spiked and reported for LCS/LCSD and MS/MSD. Percent recoveries (%R) were within the project established QC limits for LCS/LCSD and MS/MSD. Calculated %RPD was less than 30% acceptance limit.

Method blank was reviewed for each component and no target analyte was found in the method blank for each detector.

Surrogate: No surrogate is used in this method.

Field duplicate sample and its associated sample: Sample 04-22-15-FDUP-4 was recognized as field duplicate of sample 04-22-15-PWB-4. Results of analysis for each sample and corresponding sample duplicates are shown in the following table:

Analyte	04-22-15 FDUP-4 µg/L	04-22-15 PWB-4 µg/L	%RPD
Hydrogen	ND	ND	---
Methane	ND	ND	---

Raw data for all fourteen samples, with related QC samples were submitted at level IV deliverable for both Hydrogen and Methane (TCD and FID). Raw data responses were used in recalculation and all verified the reported values. The sample results are tabulated in table 8 Appendix A.

5.0 Conclusion

Overall, the data presented is generally regarded as acceptable for all the EPA methods listed in the chain of custody. The data can reliably be used for the purpose of this project.

6.0 References

1. *USEPA Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (USEPA, August 2002).

2. *Quality Assurance Project Plan, final Draft, Brown & Bryant, CA,* (Project No. Eco-13-601, Eco & Associates Inc.)

3. U.S. Environmental Protection Agency, Dec. 1996, *SW846 Laboratory Manual Physical/Chemical Methods.* Revision 3, Washington, D.C. 20460.

4. EM 200-1-10 Guidance for Evaluation Performance-based Chemical Data, US Army Corps of Engineers (USACE), June 2005.

5. Department of Defense Quality System Manual (DOD QSM), Version 4.2, 2010

6. EPA Methods for Chemical Analysis of Water and Wastes. EPA -600-4-79-020. Revised; March 1983.

7. Standard Methods for Examination of Water and Wastewater. 21st Edition, 2005.

7.0 APPENDIX A

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-22-15-PWB-16 µg/L	04-22-15-PWB-14 µg/L	04-22-15-TB-9 µg/L	04-22-15-AMW-4R µg/L	04-22-15-PWB-12 µg/L	04-22-15-TB-10 µg/L
Acetone	10	U	U	U	U	U	U
Benzene	1.0	U	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	**1.3**	U	U
Chlorobenzene	1.0	U	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	**1.2**	**13**	U	U	**0.46J**	U
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	U	U	U	U	**3.3**	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	U	U	U	U
1,2-Dichloroethane	1.0	U	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	**9.1**	**14**	U	**0.37J**	**4.4**	U
1,3-Dichloropropane	0.5	U	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	U	U	U	U	U	U

ANALYTE	RLs µg/L	04-22-15-PWB-16 µg/L	04-22-15-PWB-14 µg/L	04-22-15-TB-9 µg/L	04-22-15-AMW-4R µg/L	04-22-15-PWB-12 µg/L	04-22-15-TB-10 µg/L
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	**6.5**	**30**	U	U	**5.2**	U
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	U	U	U	U	U	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	**3.5**	**2.5**	U	U	**17**	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)	**(Limits)**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	97.7	99.4	101	99.8	106	106
4-Bromofluorbenze	75-120	86.2	88.6	87.0	90.0	90.0	89.9
Toluene-d8	85-120	95.4	92.1	95.1	93.0	93.8	95.5
Dibromofluoromethane	85-115	105	106	105	105	109	109

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-22-15-PWB-7A µg/L	04-22-15-PWB-15 µg/L	04-22-15-WB2-2 µg/L	04-22-15-TB-11 µg/L	04-22-15-PWB-4 µg/L	04-22-15-FDUP-4 µg/L
Acetone	10	U	U	U	U	U	U
Benzene	1.0	U	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	U	U	U
Chlorobenzene	1.0	U	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	**0.81J**	**8.2**	U	U	**7.3**	**7.5**
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	**0.89J**	U	U	U	U	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	U	U	U	U	U	U
1,2-Dichloroethane	1.0	U	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	**13**	**6.7**	**0.72J**	U	**14**	**14**
1,3-Dichloropropane	0.5	U	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	U	U	U	U	U	U
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	**1.1**	**2.8**	U	U	**1.7**	**1.8**

ANALYTE	RLs µg/L	04-22-15-PWB-7A µg/L	04-22-15-PWB-15 µg/L	04-22-15-WB2-2 µg/L	04-22-15-TB-11 µg/L	04-22-15-PWB-4 µg/L	04-22-15-FDUP-4 µg/L
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	U	U	U	U	U	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	**44**	**1.3**	**2.3**	U	**46**	**48**
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	99.9	102	107	103	107	107
4-Bromofluorbenze	75-120	91.5	85.2	88.3	86.3	90.6	90.3
Toluene-d8	85-120	93.3	91.7	93.9	92.8	96.1	91.0
Dibromofluoromethane	85-115	103	108	106	108	107	108

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-22-15-WB2-1 µg/L	04-22-15-PWB-9 µg/L	04-22-15-TB-12 µg/L	04-22-15-WB2-4 µg/L	04-22-15-PWB-10 µg/L	04-22-15-TB-13 µg/L
Acetone	10	U	**5.9J**	U	U	U	U
Benzene	1.0	U	U	U	U	U	U
Bromobenzene	1.0	U	U	U	U	U	U
Bromochloromethane	1.0	U	U	U	U	U	U
Bromodichloromethane	1.0	U	U	U	U	U	U
Bromoform	1.0	U	U	U	U	U	U
Bromomethane	1.0	U	U	U	U	U	U
2-Butanone	10	U	U	U	U	U	U
n-Butylbenzene	1.0	U	U	U	U	U	U
sec-Butylbenzene	1.0	U	U	U	U	U	U
tert-Butylbenzene	1.0	U	U	U	U	U	U
Carbon Disulfide	1.0	U	U	U	U	U	U
Carbon Tetrachloride	1.0	U	U	U	U	**0.42J**	U
Chlorobenzene	1.0	U	U	U	U	U	U
Chloroethane	1.0	U	U	U	U	U	U
2-ChloroethylVinylether	1.0	U	U	U	U	U	U
Chloroform	1.0	**17**	U	U	**0.45J**	U	U
Chloromethane	1.0	U	U	U	U	U	U
2-Chlorotoluene	1.0	U	U	U	U	U	U
4-Chlorotoluene	1.0	U	U	U	U	U	U
1,2Dibromo3Chloropropane	1.0	U	U	U	U	U	U
Dibromochloromethane	1.0	U	U	U	U	U	U
1,2-Dibromoethane(EDB)	1.0	U	U	U	U	U	U
Dibromomethane	1.0	U	U	U	U	U	U
1,2-Dichlorobenzene	1.0	U	U	U	U	U	U
1,3-Dichlorobenzene	1.0	U	U	U	U	U	U
1,4-Dichlorobenzene	1.0	U	U	U	U	U	U
Dichlorodifluoromethan	1.0	U	U	U	U	U	U
1,1-Dichloroethane	1.0	**0.27J**	U	U	U	U	U
1,2-Dichloroethane	1.0	**0.93J**	U	U	U	U	U
1,1-Dichloroethene	1.0	U	U	U	U	U	U
Cis-1,2-Dichloroethene	1.0	U	U	U	U	U	U
trans-1,2-Dichloroethene	1.0	U	U	U	U	U	U
1,2-Dichloropropane	1.0	**950**	**1.3**	U	**1.5**	**0.40J**	U
1,3-Dichloropropane	0.5	U	U	U	U	U	U
2,2-Dichloropropane	1.0	U	U	U	U	U	U
1,1-Dichloropropene	1.0	U	U	U	U	U	U
cis-1,3-Dichloropropene	1.0	U	U	U	U	U	U
trans-1,3-Dichloropropene	1.0	U	U	U	U	U	U
Ethylbenzene	1.0	U	U	U	U	U	U
Hexachlorobutadiene	1.0	U	U	U	U	U	U
2-Hexanone	10	U	U	U	U	U	U
Isopropylbenzene	1.0	U	U	U	U	U	U
p-Isopropyltoluene	1.0	U	U	U	U	U	U
MTBE	1.0	U	U	U	U	U	U
4-Methyl-2-Pentanone	10.0	U	U	U	U	U	U
Methylene chloride	1.0	**0.56J**	**8.7**	U	**16**	**16**	U

ANALYTE	RLs µg/L	04-22-15-WB2-1 µg/L	04-22-15-PWB-9 µg/L	04-22-15-TB-12 µg/L	04-22-15-WB2-4 µg/L	04-22-15-PWB-10 µg/L	04-22-15-TB-13 µg/L
Naphthalene	1.0	U	U	U	U	U	U
n- Propylbenzene	1.0	U	U	U	U	U	U
Styrene	1.0	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	1.0	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	1.0	U	U	U	U	U	U
Tetrachloroethene	1.0	**0.26J**	U	U	U	U	U
Toluene	1.0	U	U	U	U	U	U
1,2,3-Trichlorobenzene	1.0	U	U	U	U	U	U
1,2,4-Trichlorobenzene	1.0	U	U	U	U	U	U
1,1,1-Trichloroethane	1.0	U	U	U	U	U	U
1,1,2-Trichloroethane	1.0	U	U	U	U	U	U
Trichloroethene	1.0	U	U	U	U	U	U
Trichlorofluoromethane	1.0	U	U	U	U	U	U
1,2,3-Trichloropropane	1.0	**92**	**2.7**	U	U	U	U
1,2,4-Trimethylbenzene	1.0	U	U	U	U	U	U
1,3,5-Trimethylbenzene	1.0	U	U	U	U	U	U
Vinyl Chloride	1.0	U	U	U	U	U	U
o-Xylene	1.0	U	U	U	U	U	U
m-& p-Xylenes	1.0	U	U	U	U	U	U
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	107	102	91.7	95.2	94.4	92.0
4-Bromofluorbenze	75-120	94.3	88.8	91.4	90.2	88.6	91.3
Toluene-d8	85-120	94.6	94.3	98.0	98.1	95.4	97.2
Dibromofluoromethane	85-115	105	107	106	110	104	107

Table 1-Volatile Organic Compounds component List: EPA Method 8260B

ANALYTE	RLs µg/L	04-22-15-PWB-5 µg/L	04-22-15-TB-14 µg/L				
Acetone	10	U	U				
Benzene	1.0	U	U				
Bromobenzene	1.0	U	U				
Bromochloromethane	1.0	U	U				
Bromodichloromethane	1.0	U	U				
Bromoform	1.0	U	U				
Bromomethane	1.0	U	U				
2-Butanone	10	U	U				
n-Butylbenzene	1.0	U	U				
sec-Butylbenzene	1.0	U	U				
tert-Butylbenzene	1.0	U	U				
Carbon Disulfide	1.0	U	U				
Carbon Tetrachloride	1.0	U	U				
Chlorobenzene	1.0	U	U				
Chloroethane	1.0	U	U				
2-ChloroethylVinylether	1.0	U	U				
Chloroform	1.0	**0.70J**	U				
Chloromethane	1.0	U	U				
2-Chlorotoluene	1.0	U	U				
4-Chlorotoluene	1.0	U	U				
1,2Dibromo3Chloropropane	1.0	U	U				
Dibromochloromethane	1.0	U	U				
1,2-Dibromoethane(EDB)	1.0	U	U				
Dibromomethane	1.0	U	U				
1,2-Dichlorobenzene	1.0	U	U				
1,3-Dichlorobenzene	1.0	U	U				
1,4-Dichlorobenzene	1.0	U	U				
Dichlorodifluoromethan	1.0	U	U				
1,1-Dichloroethane	1.0	U	U				
1,2-Dichloroethane	1.0	U	U				
1,1-Dichloroethene	1.0	U	U				
Cis-1,2-Dichloroethene	1.0	U	U				
trans-1,2-Dichloroethene	1.0	U	U				
1,2-Dichloropropane	1.0	**1.9**	U				
1,3-Dichloropropane	0.5	U	U				
2,2-Dichloropropane	1.0	U	U				
1,1-Dichloropropene	1.0	U	U				
cis-1,3-Dichloropropene	1.0	U	U				
trans-1,3-Dichloropropene	1.0	U	U				
Ethylbenzene	1.0	U	U				

ANALYTE	RLs µg/L	04-22-15-PWB-5 µg/L	04-22-15-TB-14 µg/L				
Hexachlorobutadiene	1.0	U	U				
2-Hexanone	10	U	U				
Isopropylbenzene	1.0	U	U				
p-Isopropyltoluene	1.0	U	U				
MTBE	1.0	U	U				
4-Methyl-2-Pentanone	10.0	U	U				
Methylene chloride	1.0	**0.60J**	U				
Naphthalene	1.0	U	U				
n- Propylbenzene	1.0	U	U				
Styrene	1.0	U	U				
1,1,1,2-Tetrachloroethane	1.0	U	U				
1,1,2,2-Tetrachloroethane	1.0	U	U				
Tetrachloroethene	1.0	U	U				
Toluene	1.0	U	U				
1,2,3-Trichlorobenzene	1.0	U	U				
1,2,4-Trichlorobenzene	1.0	U	U				
1,1,1-Trichloroethane	1.0	U	U				
1,1,2-Trichloroethane	1.0	U	U				
Trichloroethene	1.0	U	U				
Trichlorofluoromethane	1.0	U	U				
1,2,3-Trichloropropane	1.0	**16**	U				
1,2,4-Trimethylbenzene	1.0	U	U				
1,3,5-Trimethylbenzene	1.0	U	U				
Vinyl Chloride	1.0	U	U				
o-Xylene	1.0	U	U				
m-& p-Xylenes	1.0	U	U				
Surrogate (Limits)		% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
1,2Dichloroeth-d4	70-120	96.1	93.8				
4-Bromofluorbenze	75-120	90.1	91.6				
Toluene-d8	85-120	97.9	97.7				
Dibromofluoromethane	85-115	109	108				

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-22-15-PWB-16 µg/L	04-22-15-PWB-14 µg/L	04-22-15-AMW-4R µg/L	04-22-15-PWB-12 µg/L	04-22-15-PWB-7A µg/L	04-22-15-PWB-15 µg/L
EDB	0.05	ND	ND	ND	ND	ND	ND
DBCP	0.05	ND	**0.085**	ND	**3.2**	**0.83**	**0.16**
1,2,3-Trichloropropane	0.005	**3.5**	**2.5**	**0.23**	**19**	**50**	**1.4**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	97.4	94.3	102	87.8	92.8	91.1

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-22-15-WB2-2 µg/L	04-22-15-PWB-4 µg/L	04-22-15-FDUP-4 µg/L	04-22-15-WB2-1 µg/L	04-22-15-PWB-9 µg/L	04-22-15-WB2-4 µg/L
EDB	0.05	ND	ND	ND	ND	ND	ND
DBCP	0.05	**0.067**	**0.30**	**0.31**	**0.023J**	**0.035J**	ND
1,2,3-Trichloropropane	0.005	**2.3**	**48**	**44**	**88**	**2.8**	**0.074**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	96.6	97.3	95.2	90.4	91.3	99.4

Table 2-Fumigants (EDB, DBCP & 1, 2, 3-Trichloropropane): EPA Method 8260B (SIM)

ANALYTE	RLs µg/L	04-22-15-PWB-10 µg/L	04-22-15-PWB-5 µg/L				
EDB	0.05	ND	ND				
DBCP	0.05	ND	**0.45**				
1,2,3-Trichloropropane	0.005	**0.56**	**17**				
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
Toluene d8	80-120	96.1	88.6				

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-22-15-PWB-16 µg/L	04-22-15-PWB-14 µg/L	04-22-15-AMW-4R µg/L	04-22-15-PWB-12 µg/L	04-22-15-PWB-7A µg/L	04-22-15-PWB-15 µg/L
Dinoseb	0.4	**0.60**	**0.24J**	ND	**21**	**7.7**	**0.38J**
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	120	115	99.8	132	127	96.6

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-22-15-WB2-2 µg/L	04-22-15-PWB-4 µg/L	04-22-15-FDUP-4 µg/L	04-22-15-WB2-1 µg/L	04-22-15-PWB-9 µg/L	04-22-15-WB2-4 µg/L
Dinoseb	0.4	ND	**7.5**	**7.3**	**18**	**1.2**	ND
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	85.3	131	140	139	104	105

Table 3-Herbicides (Dinoseb): EPA Method 8151A

ANALYTE	RLs µg/L	04-22-15-PWB-10 µg/L	04-22-15-PWB-5 µg/L				
Dinoseb	0.4	ND	**1.9**	ND	ND	ND	
Surrogate parameters	**Limits**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**	% **Recovery**
DCPA (Surrogate)	40-140	98.4	102				

Table 4-Anions (Nitrate-N, Nitrite-N and Sulfate): EPA Method 300.0

ANALYTE	RLs mg/L	04-22-15-PWB-16 mg/L	04-22-15-PWB-14 mg/L	04-22-15-AMW-4R mg/L	04-22-15-PWB-12 mg/L	04-22-15-PWB-7A m/L	04-22-15-PWB-15 mg/L
Anions							
Nitrate-N	0.1	**1.24**	**11.4**	**28.6**	**56.2**	**60.9**	**24.9**
Nitrite-N	0.1	ND	ND	ND	ND	ND	ND
Sulfate	0.5	**85.3**	**73.7**	**112**	**68.3**	**79.1**	**101**

Table 4-Anions (Nitrate-N, Nitrite-N and Sulfate): EPA Method 300.0

ANALYTE	RLs mg/L	04-22-15-WB2-2 mg/L	04-22-15-PWB-4 mg/L	04-22-15-FDUP-4 mg/L	04-22-15-WB2-1 mg/L	04-22-15-PWB-9 mg/L	04-22-15-WB2-4 mg/L
Anions							
Nitrate-N	0.1	**34.4**	**54.1**	**53.7**	**63.7**	**30.2**	**9.07**
Nitrite-N	0.1	ND	ND	ND	ND	ND	ND
Sulfate	0.5	**119**	**85.1**	**78.8**	**97.1**	**52.0**	**42.6**

Table 4-Anions (Nitrate-N, Nitrite-N and Sulfate): EPA Method 300.0

ANALYTE	RLs mg/L	04-22-15-PWB-10 mg/L	04-22-15-PWB-5 mg/L				
Anions							
Nitrate-N	0.1	**29.1**	**41.6**				
Nitrite-N	0.1	ND	ND	ND	ND	ND	ND
Sulfate	0.5	**144**	**92.9**				

Table 5-Total Organic Carbon: EPA Method 415.1

ANALYTE	RLs mg/L	04-22-15-PWB-16 mg/L	04-22-15-PWB-14 mg/L	04-22-15-AMW-4R mg/L	04-22-15-PWB-12 mg/L	04-22-15-PWB-7A m/L	04-22-15-PWB-15 mg/L
TOC	1.0	**0.959J**	**0.781J**	**0.804J**	**0.958J**	**1.08**	**0.844J**

Table 5-Total Organic Carbon: EPA Method 415.1

ANALYTE	RLs mg/L	04-22-15-WB2-2 mg/L	04-22-15-PWB-4 mg/L	04-22-15-FDUP-4 mg/L	04-22-15-WB2-1 mg/L	04-22-15-PWB-9 mg/L	04-22-15-WB2-4 mg/L
TOC	1.0	**0.943J**	**0.848J**	**0.844J**	**1.04**	**1.12**	**0.716J**

Table 5-Total Organic Carbon: EPA Method 415.1

ANALYTE	RLs mg/L	04-22-15-PWB-10 mg/L	04-22-15-PWB-5 mg/L				
TOC	1.0	**0.875J**	**0.913J**				

Table 6-Ferrous Iron: Standard Method 3500

ANALYTE	RLs mg/L	04-22-15-PWB-16 mg/L	04-22-15-PWB-14 mg/L	04-22-15-AMW-4R mg/L	04-22-15-PWB-12 mg/L	04-22-15-PWB-7A m/L	04-22-15-PWB-15 mg/L
Ferrous Iron	2.0	ND	ND	ND	ND	ND	ND

Table 6-Ferrous Iron: Standard Method 3500

ANALYTE	RLs mg/L	04-22-15-WB2-2 mg/L	04-22-15-PWB-4 mg/L	04-22-15-FDUP-4 mg/L	04-22-15-WB2-1 mg/L	04-22-15-PWB-9 mg/L	04-22-15-WB2-4 mg/L
Ferrous Iron	2.0	ND	ND	ND	ND	ND	ND

Table 6-Ferrous Iron: Standard Method 3500

ANALYTE	RLs mg/L	04-22-15-PWB-10 mg/L	04-22-15-PWB-5 mg/L				
Ferrous Iron	2.0	ND	ND	ND	ND	ND	ND

Table 7-Sulfide: Standard Method 4500S2D

ANALYTE	RLs mg/L	04-22-15-PWB-16 mg/L	04-22-15-PWB-14 mg/L	04-22-15-AMW-4R mg/L	04-22-15-PWB-12 mg/L	04-22-15-PWB-7A m/L	04-22-15-PWB-15 mg/L
Sulfide	0.1	ND	ND	ND	ND	ND	ND

Table 7-Sulfide: Standard Method 4500S2D

ANALYTE	RLs mg/L	04-22-15-WB2-2 mg/L	04-22-15-PWB-4 mg/L	04-22-15-FDUP-4 mg/L	04-22-15-WB2-1 mg/L	04-22-15-PWB-9 mg/L	04-22-15-WB2-4 mg/L
Sulfide	0.1	ND	ND	ND	ND	ND	ND

Table 7-Sulfide: Standard Method 4500S2D

ANALYTE	RLs mg/L	04-22-15-PWB-10 mg/L	04-22-15-PWB-5 mg/L				
Sulfide	0.1	ND	ND				

Table 8- Methane and Dissolved Hydrogen: RSK175

ANALYTE	RLs µg/L	04-22-15-PWB-16 µg/L	04-22-15-PWB-14 µg/L	04-22-15-AMW-4R µg/L	04-22-15-PWB-12 µg/L	04-22-15-PWB-7A µg/L	04-22-15-PWB-15 µg/L
Hydrogen	1.0	ND	ND	ND	ND	ND	ND
Methane	10	ND	ND	ND	ND	ND	ND

Table 8- Methane and Dissolved Hydrogen: RSK175

ANALYTE	RLs µg/L	04-22-15-WB2-2 µg/L	04-22-15-PWB-4 µg/L	04-22-15-FDUP-4 µg/L	04-22-15-WB2-1 µg/L	04-22-15-PWB-9 µg/L	04-22-15-WB2-4 µg/L
Hydrogen	1.0	ND	ND	ND	ND	ND	ND
Methane	10	ND	ND	ND	ND	**5.5**	ND

Table 8- Methane and Dissolved Hydrogen: RSK175

ANALYTE	RLs µg/L	04-22-15-PWB-10 µg/L	04-22-15-PWB-5 µg/L				
Hydrogen	1.0	ND	ND				
Methane	10	ND	ND				

Appendix D
Data Quality Summary Report—April 2015

Data Quality Assessment

This appendix summarizes the fulfillment of data quality objectives for the April 2015 groundwater monitoring event at the former Brown & Bryant, Inc. Superfund Site. All samples from the April 2015 event were collected and handled in accordance with the procedures detailed in the *Site-Specific Groundwater Sampling and Analysis Plan, Brown & Bryant Superfund Site, Arvin, California* (Eco & Associates, Inc., 2007) and the *Site-Specific Groundwater Sampling and Analysis Plan and Quality Assurance Project Plan, Brown & Bryant Superfund Site, 600 South Derby Street, Arvin, California* (Eco & Associates, Inc., 2011). The chain-of-custody records, laboratory data reports, and validation reports are included in Appendix B of the main report.

Groundwater was collected from 42 of 43 monitoring wells during the 2015 sampling events. One well, WA-6, was purged dry and a groundwater sample could not be collected. All samples were analyzed for volatile organic compounds, fumigants, and dinoseb. Groundwater from selected wells was also analyzed for nitrates and nitrites as nitrogen, sulfate, sulfides, ferrous iron, total organic carbon, and dissolved gases. Following analysis parameters and methods were used for this project:

- Volatile organic compounds by U.S. Environmental Protection Agency (EPA) Method 5030B/8260B
- Fumigants (1,2-dibromoethane, 1,2-dibromo-3-chloropropane, and 1,2,3-trichloropropane) by EPA Method 5030B/8260 SIM
- Dinoseb by EPA Method 8151A
- Nitrates and nitrites as nitrogen and sulfates by EPA Method 300.0
- Total organic carbon by EPA Method 415.1
- Ferrous iron by EPA Method SM3500
- Sulfide by EPA Method SM4500S2D
- Dissolved methane and dissolved hydrogen by EPA Method RSK175

All samples were analyzed by EMAX Laboratory, a state of California-certified and U.S. Department of Defense certified laboratory. Analytical data was independently validation by a professional validator named, Ziba Hosseini, located in Moorpark, California. Ten percent of the analytical data were validated according to the EPA Level IV-equivalent protocols, the remainder 90 percent were validated according to the EPA Level III-equivalent protocols. Validation was conducted in accordance with the *Quality Assurance Project Plan, final Draft,*

Brown & Bryant, CA (Eco & Associates Inc., 2013); *Guidance for Evaluation Performance-Based Chemical Data,* EM 200-1-10 (U.S. Army Corps of Engineers, 2005); *Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review* (EPA, 2002); and *Department of Defense Quality Systems Manual for Environmental Laboratories, Version 4.2* (U.S. Department of Defense, 2010).

1.0 Analytical Quality Control Program

This section describes the field and laboratory quality control sample results that were used to evaluate the precision, accuracy, representativeness, comparability, and completeness of the analytical data.

1.1 Precision

Precision was evaluated based on the quality control results submitted from both the field and the laboratory. The relative percent difference (RPD) of matrix spike and matrix spike duplicate, laboratory control standard and laboratory control standard duplicate (LCS/LCSD), and the field duplicate samples provides information on the precision of sampling and analytical procedures. The RPD for duplicate samples could not be calculated when one or both of the analytes was not detected. Precision results from the RPD of field and laboratory duplicate samples were within the required limits.

1.2 Accuracy

Evaluation of the percent recovery of spiked analytes in matrix spike/matrix spike duplicate sample, LCS/LCSDs samples, and surrogates provides information on accuracy. In addition, initial and continuing calibration results provide information on analytical accuracy. The percent recover (%R) of the surrogate (2,4-dichlorophenoxyacetic acid) in dinoseb analysis was not within the recovery limits for samples with high dilution factors. Effected analytical results were not flagged due to accuracy outlier from high dilution analysis. Accuracy results were within expected limits for all other analyses.

1.3 Representativeness

Representativeness was assessed through evaluation of method blank and trip blank samples. Methylene chloride was detected in the associate method blank samples analyzed on April 27, 2015, (Batch #VO06D16) and 05/01/15 (Batch# VO01E01); however, detected methylene chloride in associated field samples (04-21-15-PWA-2, 04-22-15-FDUP-4, 04-22-15-PWB-15, 04-22-15-PWB-4, 04-22-15-PWB-7A, 04-22-15-WB2-1, 04-23-15-BBW-2, 04-23-15-PWB-11) was considered detected and “U” qualifier was not assigned. Representativeness results from trip blanks and method blanks from other analyses were within the required limits.

1.4 Completeness

Completeness was evaluated using two criteria: first, by ensuring that all analytical requests were met, samples were received in the proper condition, and all analytes were performed within the technical holding times; and second, by evaluating the analytical completeness by calculating the percent of acceptable analytes. Technical holding time for ferrous iron analysis was not met for four samples collected on April 21, 2015, and all the samples collected on April 22, 2015. Effected ferrous iron results were non-detect, therefore qualifying flag for estimating "J" was not assigned. Completeness results for all other samples were within the technical holding times, conditions. All analytical results are acceptable and usable; therefore, completeness for this project is 100 percent.

Technical holding time for ferrous iron analysis is 24 hours. CB&I Federal Services LLC recommends that ferrous iron concentration be measured in the field for future samples so that holding time exceedance can be prevented. Adapted procedures from the EPA approved Stand Method for Water and Wastewater 3500-Fe Iron can be followed to measure ferrous iron concentrations in the field.

1.5 Comparability

To ensure comparability, sampling was performed using standardized procedures. The data were then evaluated for comparability of limits of quantitation (LOQs) and associated dilution factors. LOQs were elevated when samples required dilution to quantify target compounds within the linear range of the instrument or when sample matrix interference occurred. If the concentrations were below the method detection limits, the results were reported as not detected at the LOQs and flagged with the qualifier "U." If the concentrations were detected between the LOQ and the method detection limit, the results were flagged with a qualifier "J." All samples were analyzed per project requirements.

1.6 Data Quality Summary

Data associated with the 2015 April Sampling Event are usable and acceptable. Overall precision and accuracy goals were met. Analytical results and associated qualifiers are summarized in Tables 1 through 8 of the main report and the complete analytical report packages from the laboratory are provided in Appendix B of the main report. Exceedances described in this subsection do not negatively impact the data usability for the purposes of this project.

2.0 Reference

Eco & Associates, Inc., 2007, *Site-Specific Groundwater Sampling and Analysis Plan, Brown & Bryant Superfund Site, Arvin, California*, December 4.

Eco & Associates, Inc., 2011, *Site-Specific Groundwater Sampling and Analysis Plan and Quality Assurance Project Plan, Brown & Bryant Superfund Site, 600 South Derby Street, Arvin, California*, August 19.

Eco & Associates, Inc., 2013, *Quality Assurance Project Plan, final Draft, Brown & Bryant, CA*, December.

U.S. Army Corps of Engineers, 2005, *Guidance for Evaluation Performance- based Chemical Data,* EM 200-1-10, June 30.

U.S. Department of Defense, 2010, *Department of Defense Quality Systems Manual for Environmental Laboratories, Version 4.2,* October 25.

U.S. Environmental Protection Agency, 2002, *Analytical Operations/Data Quality Center (AOC) National Functional Guidelines for Organic Data Review*, August.

Appendix E
Groundwater Elevation Graphs

1. Table E-1
2. A-Zone AMW-AP Series
3. A-Zone WA Series Part 1
4. A-Zone WA Series Part 2
5. A-Zone EPAS Series
6. A-Zone PWA Series
7. B-Zone AMW-AR Series
8. B-Zone WB Series
9. B-Zone PWB Series Part 1
10. B-Zone PWB Series Part 2
11. B-Zone PWB Series Part 3
12. B-Zone BBW Series

TABLE E-1: Groundwater Trends
for A-Zone and B-Zone Wells
Brown and Bryant Superfund Site, 600 S. Derby Street, Arvin, CA

Well ID	Coordinates		Casing Elevation	Boring Depth	Well Screen Interval	Screen Top (ft-bgs)	Screen Base (ft-bgs)	Screen Top (ft-msl)[1]	Screen Base (ft-msl)[1]	Depth to Groundwater Before Sampling 04-21-15	Depth to Well Base BarCad	Peak Water Level Elevation A-Zone February 2003 and B-Zone April 2013	Groundwater Elevation April 2015	Decline[2]	Rate of Decline
	Northing	Easting	(feet)	(ft bgs)	(ft bgs)					(ft btc)	(ft btc)	(feet-msl)	(feet)	(feet-msl)	ft/year
A-ZONE WELLS															
AMW-1P	2260893.44	6315882.45	435.78	72	60.8-70.8	60.8	70.8	374.98	364.98	nm	73.75	366.74	nm	>1.76	
AMW-2P	2261079.29	6315850.82	433.52	73.5	63.6-73.6	63.6	73.6	372.18	362.18	nm	75.69	366.28	nm	>4.10	
AP-1	2261385.49	6315953.59	434.30	69.5	59.5-69.5	59.5	69.5	376.28	366.28	nm	71.94	367.82	nm	>1.54	
AP-2	2261086.33	6315985.67	435.35	71	NR					nm	71.33	367.12	nm		
AP-4	2260957.31	6315746.09	436.04	75	60-70	60	70	375.78	365.78	nm	73.40	365.87	nm	>0.09	
EPAS-1	2260895.27	6315614.91	433.55	90	77-87	77	87	358.78	348.78	88.59	89.80	346.8	344.96	1.84	0.1511932
EPAS-2*	2260809.72	6315776.45	433.97	90	64-84	64	84	371.78	351.78	77.29	85.94	366.22	356.68	9.54	0.7839036
EPAS-3	2260784.95	6315877.67	432.39	90	64-84	64	84	371.78	351.78	76.77	83.80	366.59	355.62	10.97	0.901407
EPAS-4	2261856.39	6315978.45	436.38	93.5	62-84	62	84	373.78	351.78	nm	78.76	368.78	nm	>17	
PWA-1	2261012.94	6315413.47	430.07	85	65-85	65	85	370.78	350.78	nm	84.43	352.35	nm	>1.57	
PWA-2*	2260819.52	6316031.56	431.26	86.5	64-84	64	84	371.78	351.78	80.62	83.59	363.85	350.64	13.21	1.0854683
PWA-3	2260615.98	6315713.47	429.42	86.5	64.5-84.5	64.5	84.5	371.28	351.28	74.91	83.75	366.61	354.51	12.10	0.9942593
PWA-4	2260859.66	6315613.81	430.04	86.5	64.5-84.5	64.5	84.5	371.28	351.28	84.37	84.72	349.33	345.67	3.66	0.3007429
PWA-5	2260779.83	6316580.30	430.32	85	64.5-84.5	64.5	84.5	371.28	351.28	nm	83.85	nm	nm		
PWA-6	2260762.93	6316438.80	430.25	86.5	63-83	63	83	372.78	352.78	nm	79.58	363.65	nm	>10.87	
PWA-7A	2260497.60	6315885.77	429.02	80	58-78	58	78	377.78	357.78	70.96	76.42	367.20	358.06	9.14	0.7510356
WA-1*	2260677.66	6316067.17	429.62	78	63-78	63	78	372.78	357.78	71.14	76.45	366.01	358.48	7.53	0.6187416
WA-2	2260488.51	6315620.88	428.47	75.5	63-73	63	73	372.78	362.78	69.78	70.47	363.61	358.69	4.92	0.4042774
WA-3	2261217.79	6315573.92	436.03	79	68-78	68	78	367.78	357.78	78.20	78.80	362.04	357.83	4.21	0.3459365
WA-4	2261348.33	6315549.02	436.88	76	66-76	66	76	369.78	359.78	nm	77.28	361.75	nm	>1.97	
WA-5	2261338.70	6315671.09	435.81	78.5	67-77	67	77	368.78	358.78	77.20	78.70	364.22	358.61	5.61	0.4609748
WA-6	2261039.80	6315699.83	434.60	74	64-74	64	74	371.78	361.78	76.83	78.16	364.3	357.77	6.53	0.5365714
WA-7	2261077.87	6315546.76	434.75	76	66-76	66	76	369.78	359.78	nm	76.27	361.35	nm	>1.57	
WA-8	2260828.38	6316352.78	433.25	71	61-71	61	71	374.78	364.78	nm	71.72	365.25	nm	>0.47	
WA-9	2260814.30	6315389.85	429.25	78	68-78	68	78	367.78	357.78	73.69	74.36	358.83	355.56	3.27	0.2686965
													Max Change	13.21	1.09
													Minimium Change	1.84	0.15
													Average	7.12	0.58
B-ZONE WELLS															
AMW-3R	2261394.61	6315947.18	433.80	205	121.5-201.5	121.5	201.5	314.28	234.28	152.49	194.64	285.75	281.31	4.44	0.3648357
AMW-4R	2261063.95	6315861.00	434.92	203	138-198	138	198	297.78	237.78	142.46	191.03	296.69	292.46	4.23	0.3475799
AR-1	2261230.70	6315562.90	435.24	182	140-186	140	186	295.78	249.78	140.29	182.62	298.34	294.95	3.39	0.278557
BBW-1	2262057.60	6316750.60	437.03	154	132.5-152.5	132.5	152.5	303.28	283.28	140.88	nm	301.32	296.15	5.17	0.4248199
BBW-2	2262740.60	6316184.00	438.88	152	130-150	130	150	305.78	285.78	141.28	nm	303.16	297.60	5.56	0.4568663
BBW-3	2262457.40	6314701.70	436.16	156	135-155	135	155	300.78	280.78	140.42	nm	299.86	295.74	4.12	0.3385412
PWB-1	2261145.82	6315982.25	433.83	180	166-186	166	186	269.78	249.78	139.91	182.39	298.36	293.92	4.44	0.3648357
PWB-2	2260777.08	6315510.81	430.52	166	140-160	140	160	295.78	275.78	135.86	156.60	298.7	294.66	4.04	0.3319676
PWB-3	2260832.28	6316031.90	430.67	166.5	145-165	145	165	290.78	270.78	136.45	160.59	298.23	294.22	4.01	0.3295025
PWB-4	2260909.61	6315594.33	430.78	166.5	145-165	145	165	290.78	270.78	136.85	161.55	298.02	293.93	4.09	0.3360761

TABLE E-1: Groundwater Trends
for A-Zone and B-Zone Wells
Brown and Bryant Superfund Site, 600 S. Derby Street, Arvin, CA

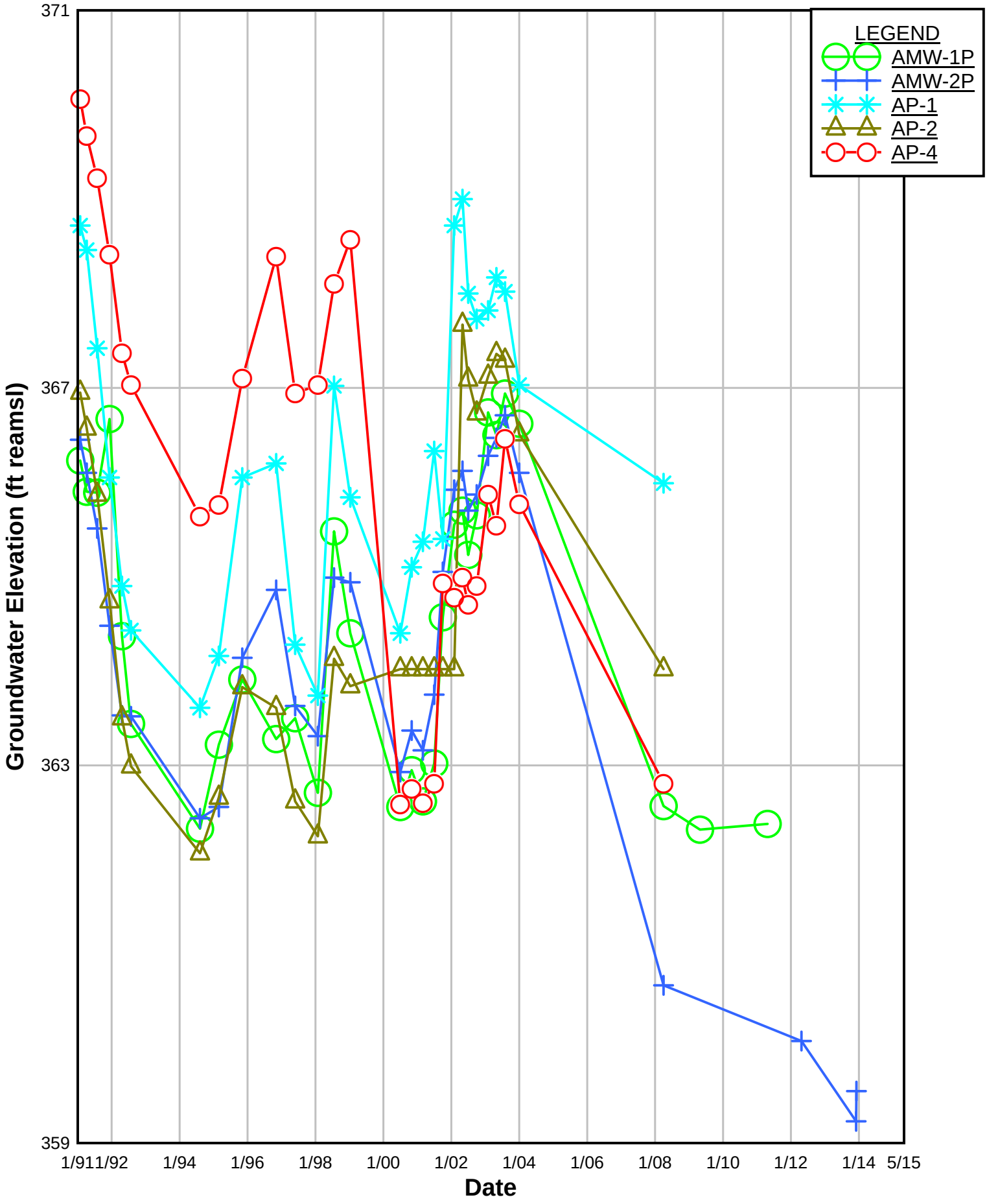
Well ID	Coordinates		Casing Elevation	Boring Depth	Well Screen Interval	Screen Top (ft-bgs)	Screen Base (ft-bgs)	Screen Top (ft-msl)[1]	Screen Base (ft-msl)[1]	Depth to Groundwater Before Sampling 04-21-15	Depth to Well Base BarCad	Peak Water Level Elevation A-Zone February 2003 and B-Zone April 2013	Groundwater Elevation April 2015	Decline[2]	Rate of Decline
	Northing	Easting	(feet)	(ft bgs)	(ft bgs)					(ft btc)	(ft btc)	(feet-msl)	(feet)	(feet-msl)	ft/year
PWB-5	2260125.60	6315515.41	427.47	166.5	145-165	145	165	290.78	270.78	134.05	159.49	297.08	293.42	3.66	0.3007429
PWB-6	2260894.79	6315159.82	428.48	161.5	140-160	140	160	295.78	275.78	131.96	153.13	298.6	296.52	2.08	0.170914
PWB-7A	2260479.81	6315884.19	429.42	208	140-160	140	160	295.78	275.78	134.22	148.67	298.88	295.20	3.68	0.3023863
PWB-8	2260284.35	6315515.10	427.40	180	140-160	140	160	295.78	275.78	132.37	156.19	298.61	295.03	3.58	0.2941693
PWB-9	2260012.18	6315416.85	425.93	161.5	140-160	140	160	295.78	275.78	134.36	152.08	295.73	291.57	4.16	0.341828
PWB-10	2260080.31	6315272.44	424.44	161.5	140-160	140	160	295.78	275.78	132.39	152.00	295.59	292.05	3.54	0.2908825
PWB-11	2260764.74	6316478.78	430.47	226.5	145-165	145	165	290.78	270.78	137.08	156.32	297.60	293.39	4.21	0.3459365
PWB-12	2260250.27	6316062.91	426.91	163	140-160	140	160	295.78	275.78	132.78	149.45	297.80	294.13	3.67	0.3015646
PWB-13A	2259743.28	6316121.24	424.83	157	136-156	136	156	299.78	279.78	131.91	146.97	296.05	292.92	3.13	0.2571927
PWB-14	2259401.40	6316228.75	423.91	162	141-161	141	161	294.78	274.78	133.09	151.49	293.71	290.82	2.89	0.2374719
PWB-15	2259410.64	6315875.39	424.13	158	137-157	137	157	298.78	278.78	130.58	145.42	296.62	293.55	3.07	0.2522625
PWB-16	2258545.89	6316231.16	419.61	157	136-156	136	156	299.78	279.78	130.02	146.15	291.93	289.59	2.34	0.1922783
WB2-1**	2260776.57	6315771.86	432.38	211	169.5-179.5	169.5	179.5	266.28	256.28	139.03	176.16	297.4	293.35	4.05	0.3327893
WB2-2**	2261087.40	6315546.23	434.94	204	168-178	168	178	267.78	257.78	141.13	176.68	298	293.81	4.19	0.3442931
WB2-3**	2260478.15	6315610.26	428.13	190	172-182	172	182	263.78	253.78	135.13	160.99	296.76	293.00	3.76	0.3089599
WB2-4**	2259915.71	6315354.65	425.41	210	168-178	168	178	267.78	257.78	153.71	171.08	283.16	271.70	11.46	0.9416704
													Max Change	11.46	0.94
													Minimium Change	2.08	0.17
													Average	4.11	0.34

Note 1: Well depths MSL are estimated assuming that top of casing is equivelent to ground surface.
Note 2:: "<" symbol added for wells not measured during last event.

General Notes: ft btc-feet below top of casing; ft bgs-feet below ground surface (from well construction diagrams)
nm- not measured, oundwater is lower than BarCad elevation and is not measured for these wells.
Horizontal Datum is NAD83, Zone 5; Vertical Datum is NGVD'29 based on NGS benchmark (PID) FU0078 (H 826) Elev. 418.81.
Cells highlited in blue indicate the depth to base of BarCad measured in the field are lower than on record
Cells highlighted in green do not have badCad installed in the well
Cells marked with -- in the B-Zone were not gauged. Only A-zone wells were gauged. Wells EPAS-2, PWA-2, WA-1, and WA-2 were resurveyed on May 27, 2014.
* -- Groundwater depths from Eco & Associates (highlighted in yellow) indicated two depths for these wells. Measurement in this table is the first of those measurements. These may be DTW after sampling, but that is not indicated on Eco's table. I have entered the second result in the "After" column herein+A23.
** -- Groundwater depths from Eco & Associates (highlighted in yellow) do not indicate "WB2" 1-4 wells; rather "BW2-" wells 1-4. Based on comparison to other documentation, I have entered the "BW2-" data from Eco's table into this 2015_04 table (highlighted in yellow). Additionally, the two readings for WB2-1 in the 2014_06 table have been deleted for this 2015_04 table.

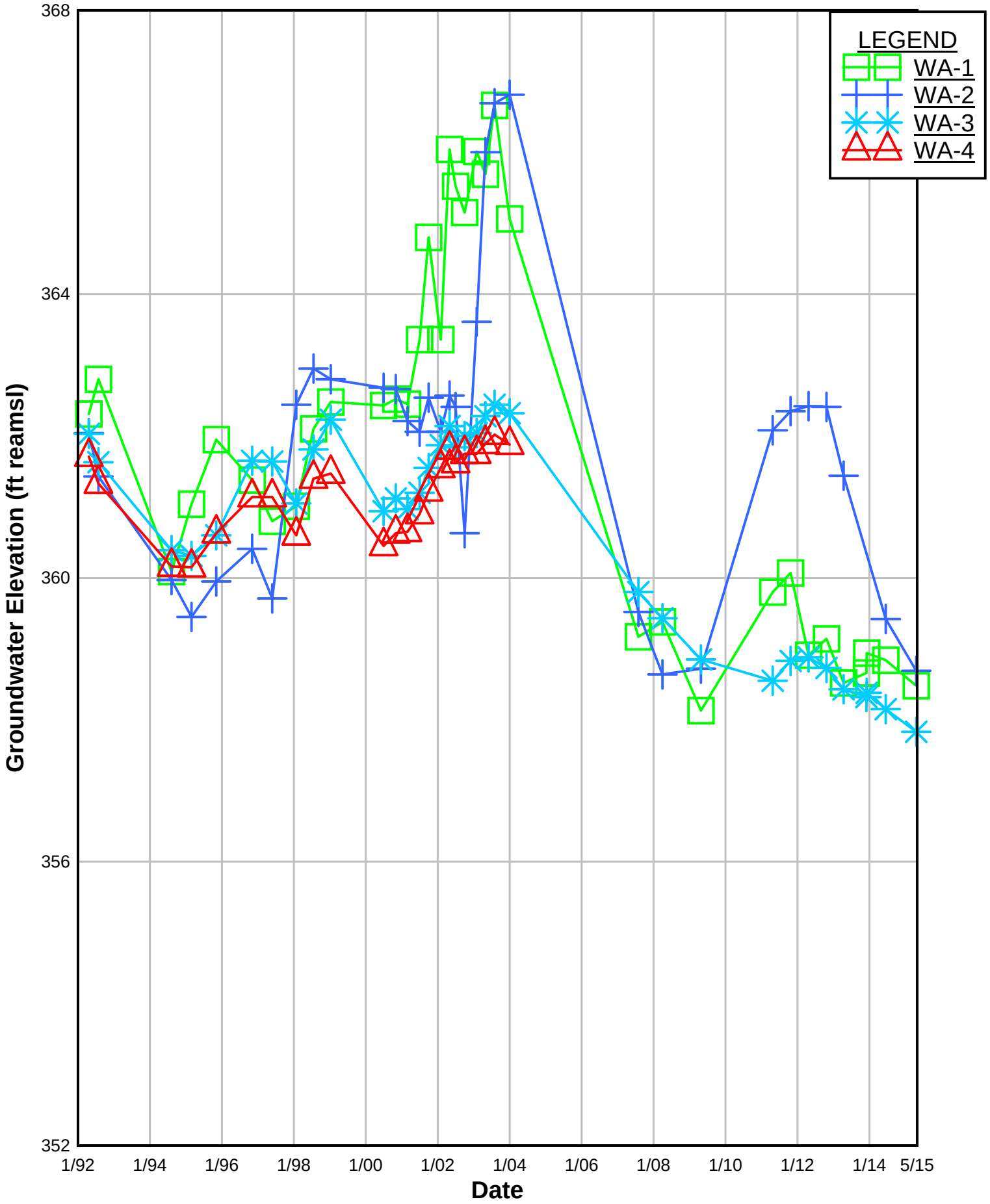
Graph E1: Groundwater Elevations (A-Zone)

AMW-AP Series Wells



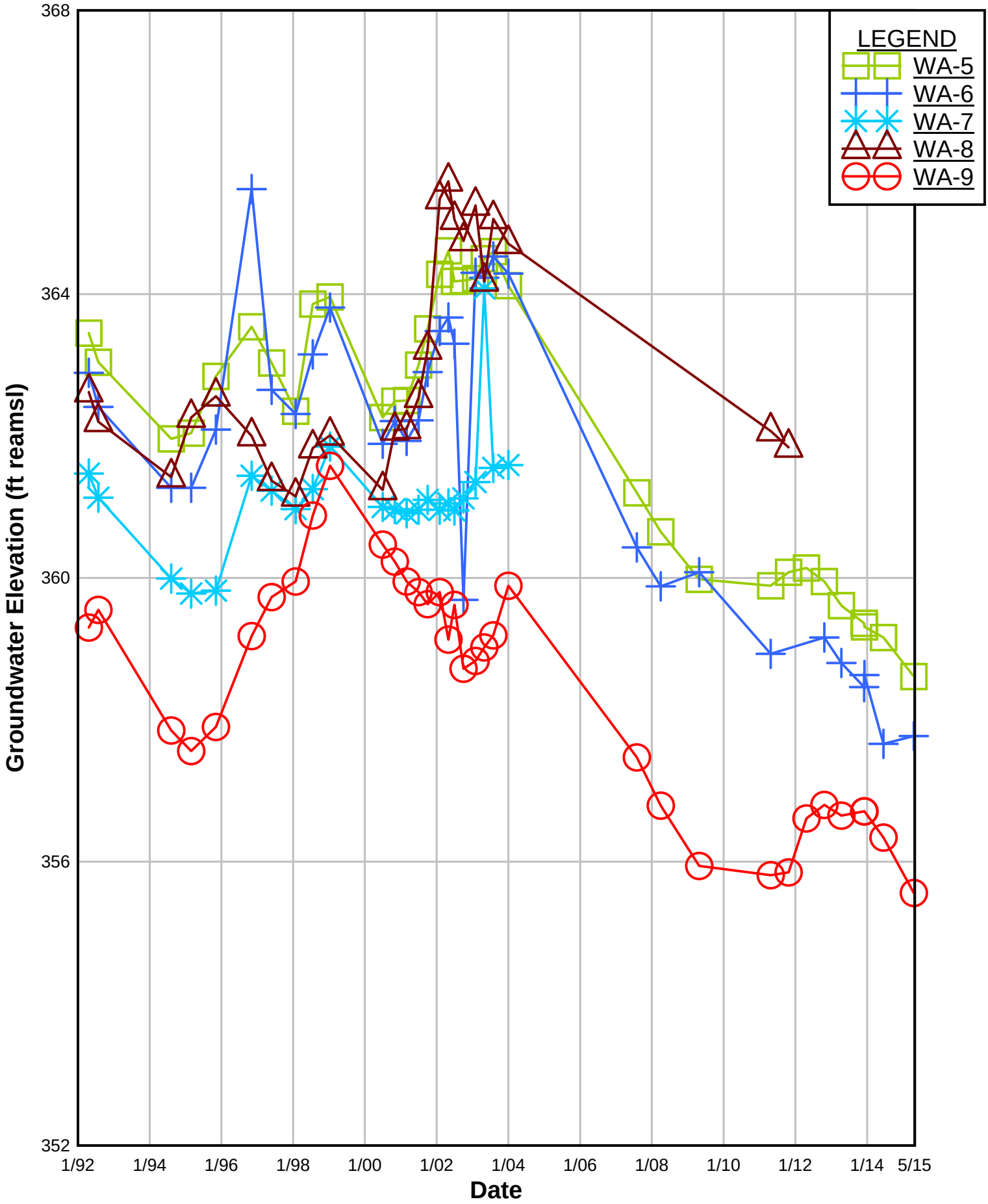
Graph E2: Groundwater Elevations (A-Zone)

WA Series Wells (Part 1)



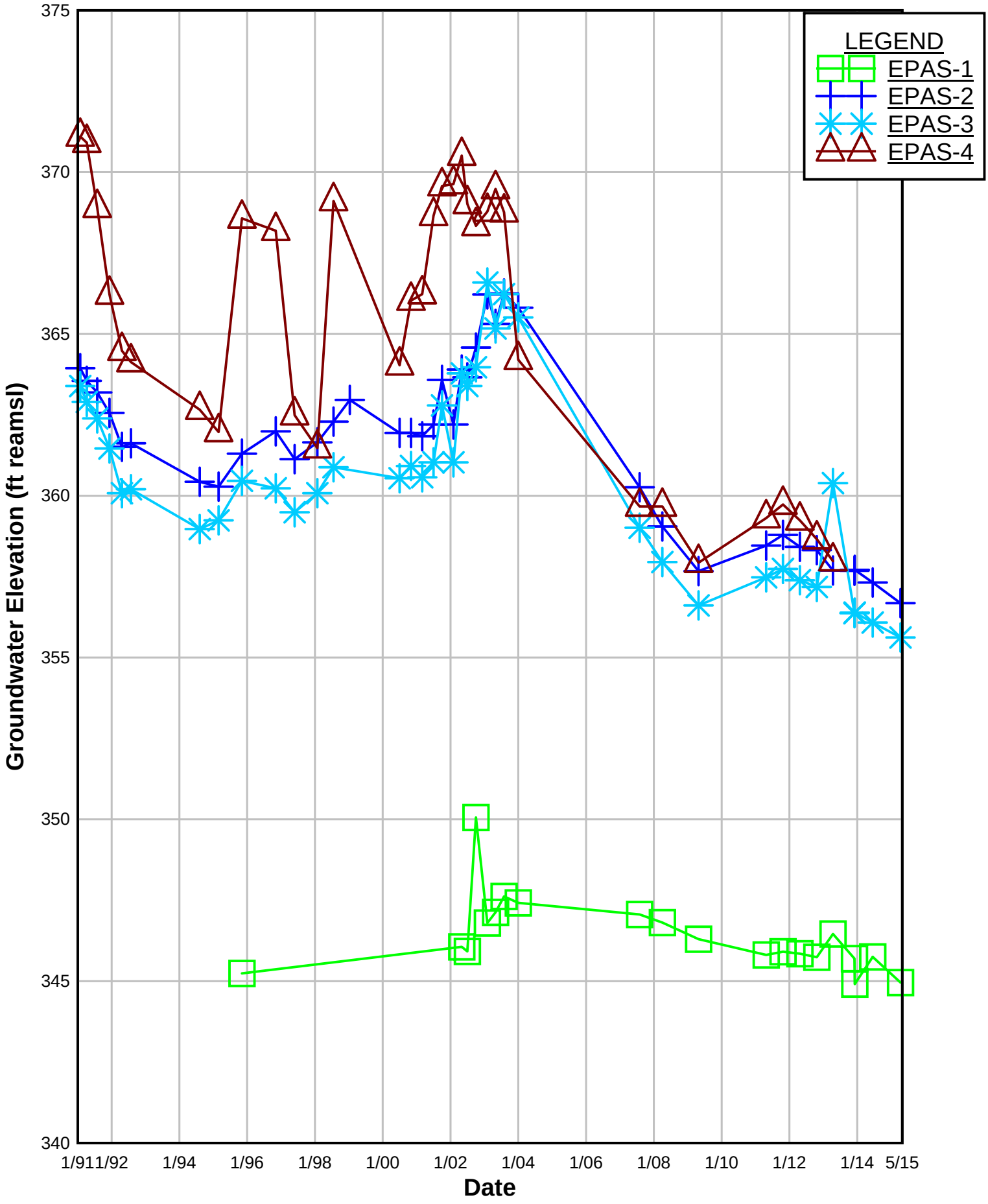
Graph E3: Groundwater Elevations (A-Zone)

WA Series Wells (Part 2)



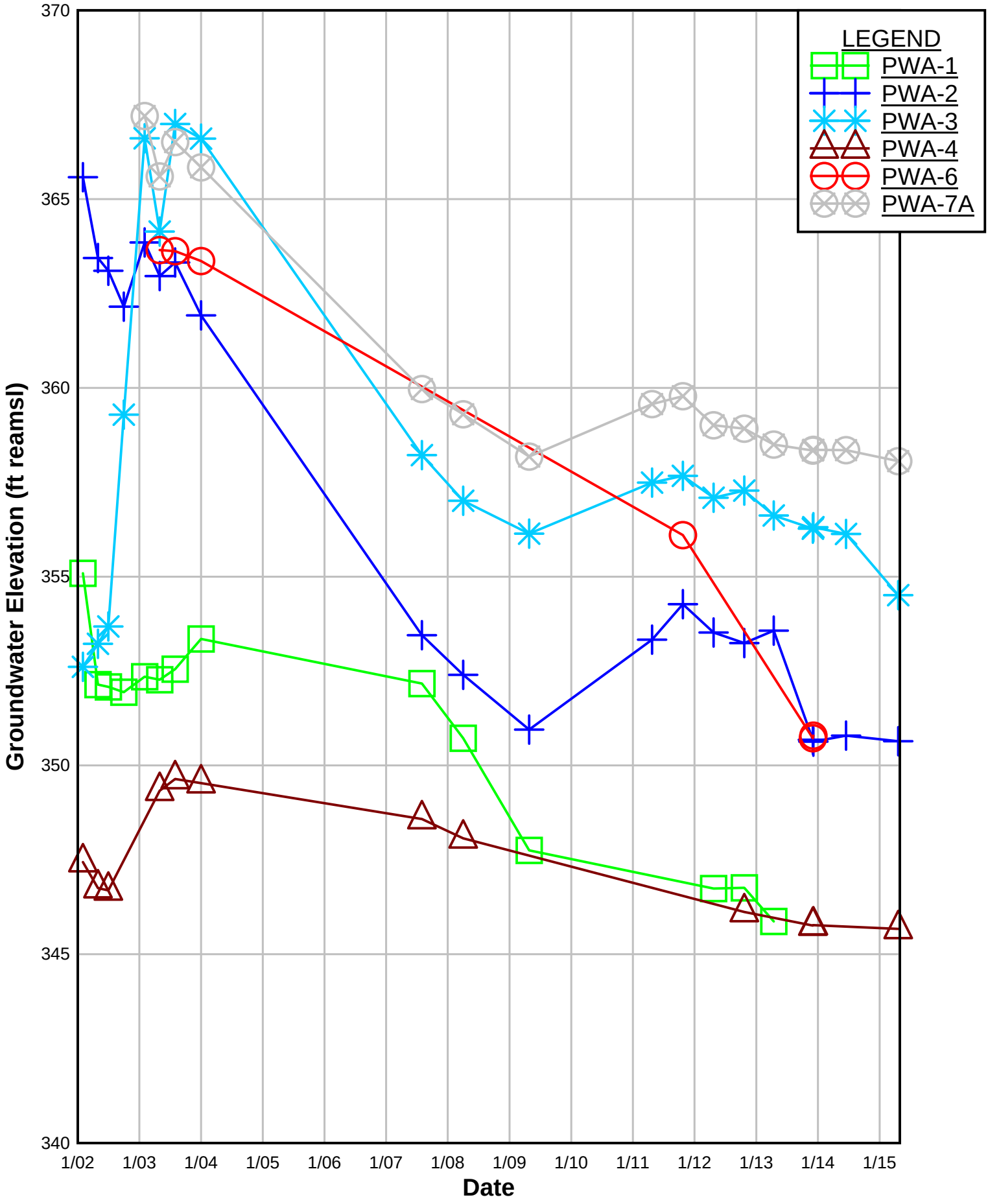
Graph E4: Grounwater Elevations (A-Zone)

EPAS Series Wells



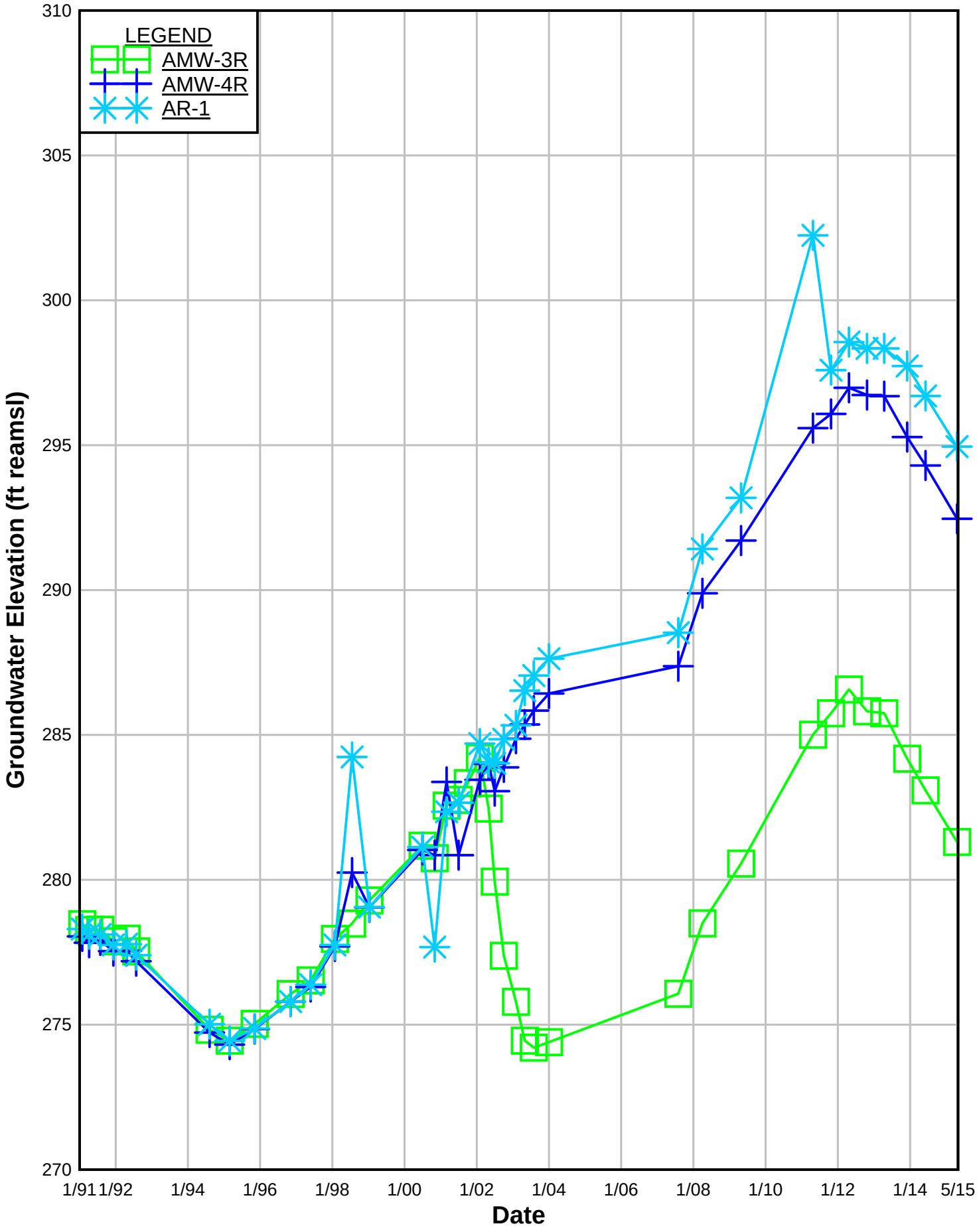
Graph E5: Groundwater Elevations (A-Zone)

PWA Series Wells



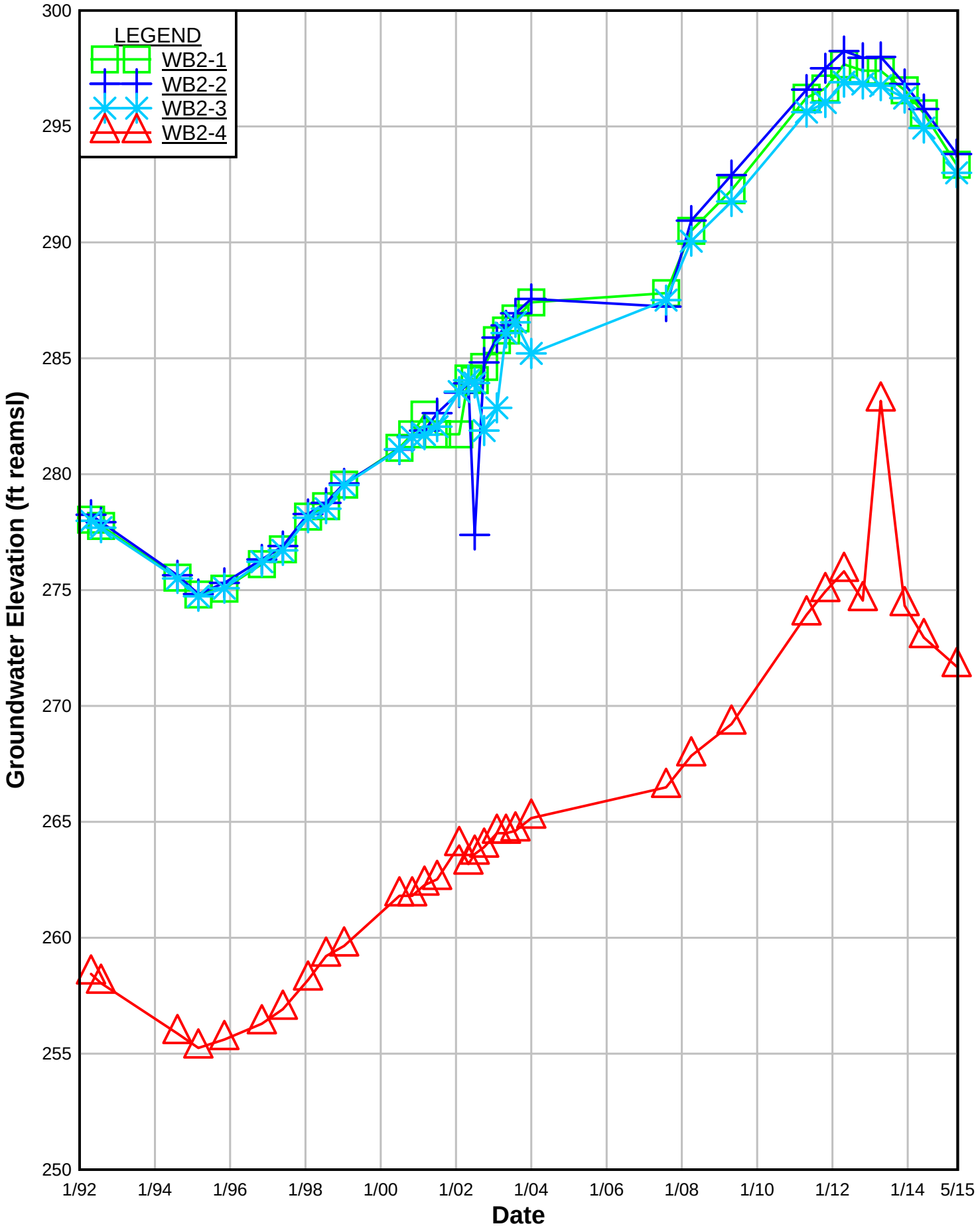
Graph E6: Groundwater Elevations (B-Zone)

AMW-AR Series Wells



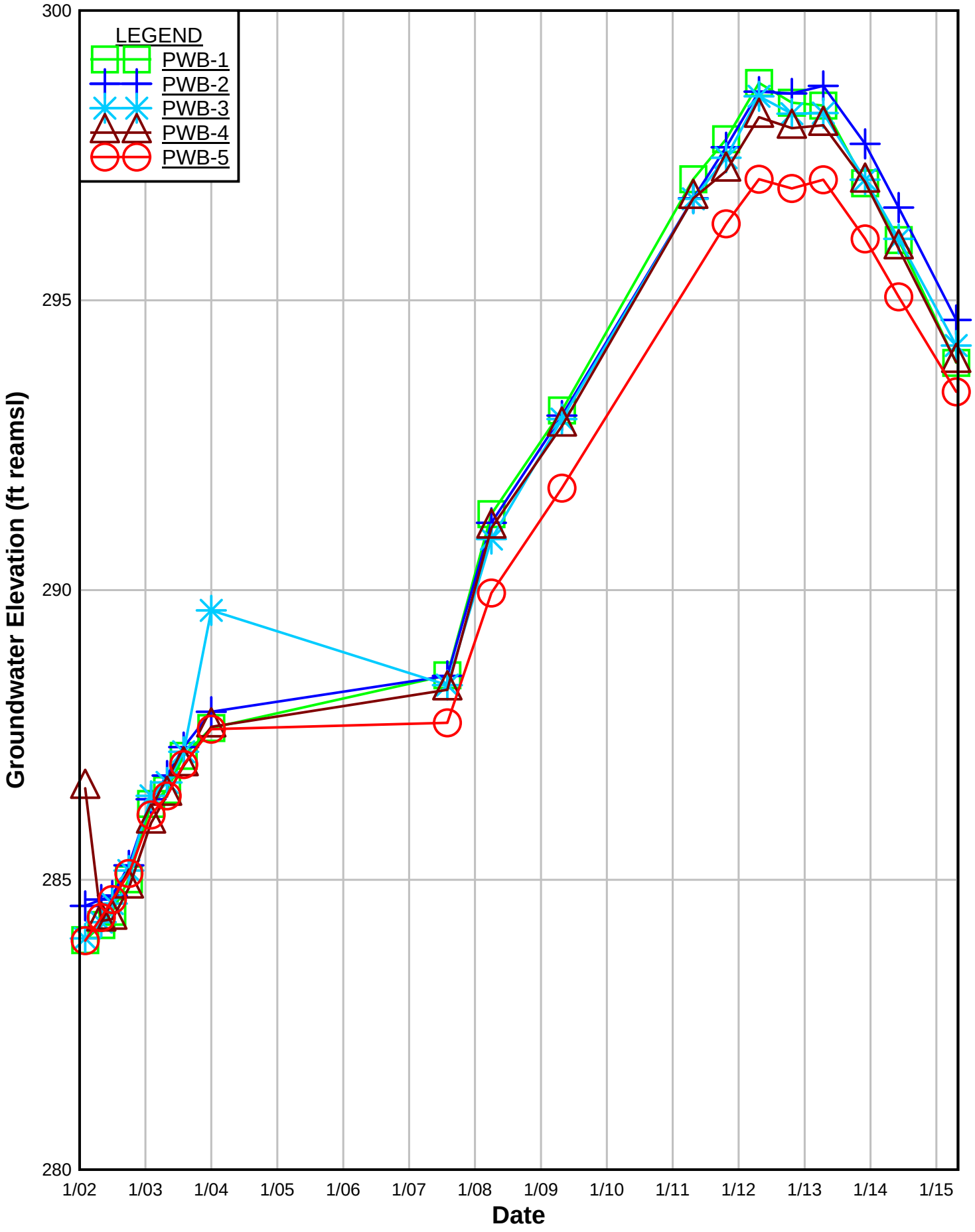
Graph E7: Groundwater Elevations (B-Zone)

WB Series Wells



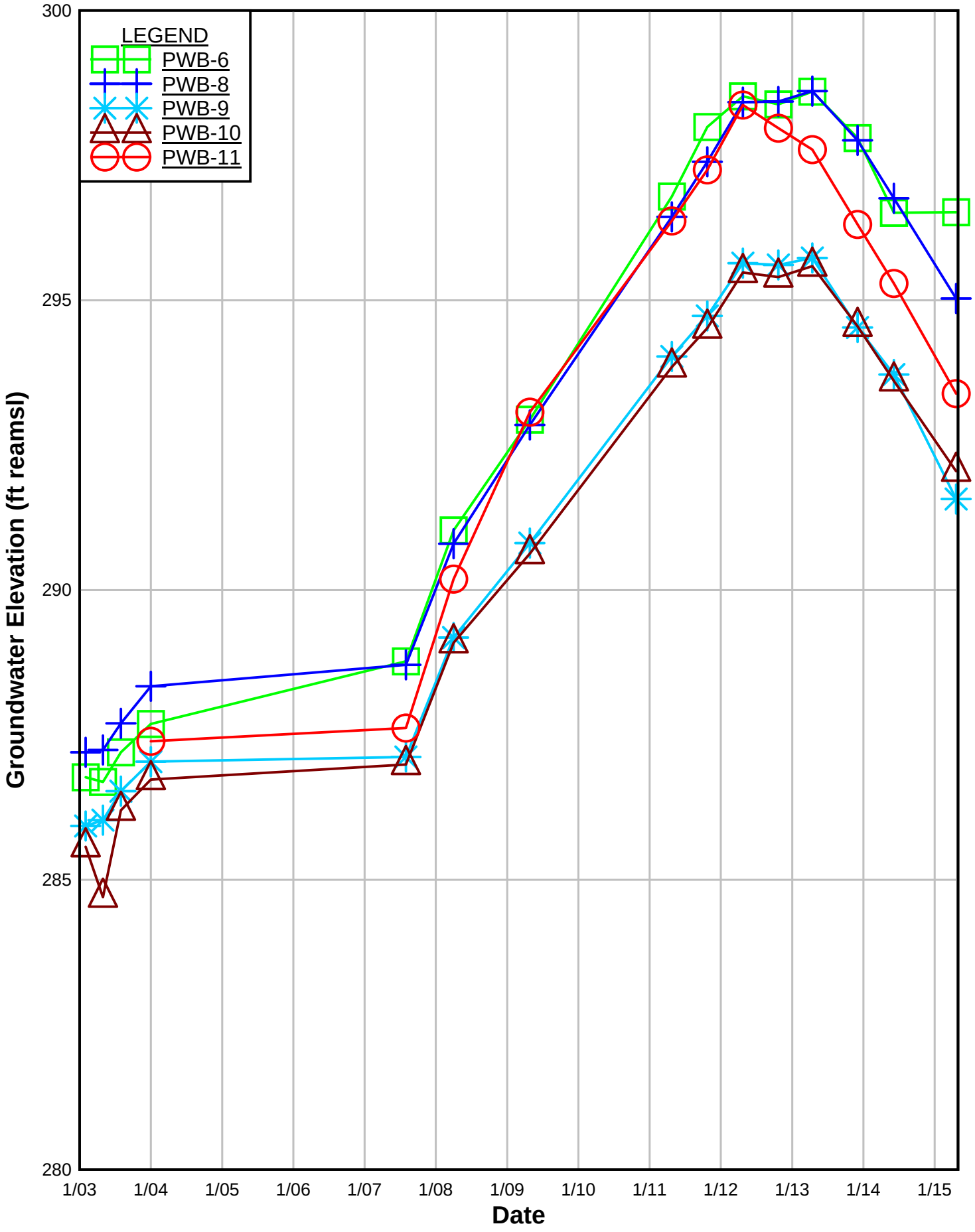
Graph E8: Groundwater Elevations (B-Zone)

PWB Series (Part 1)



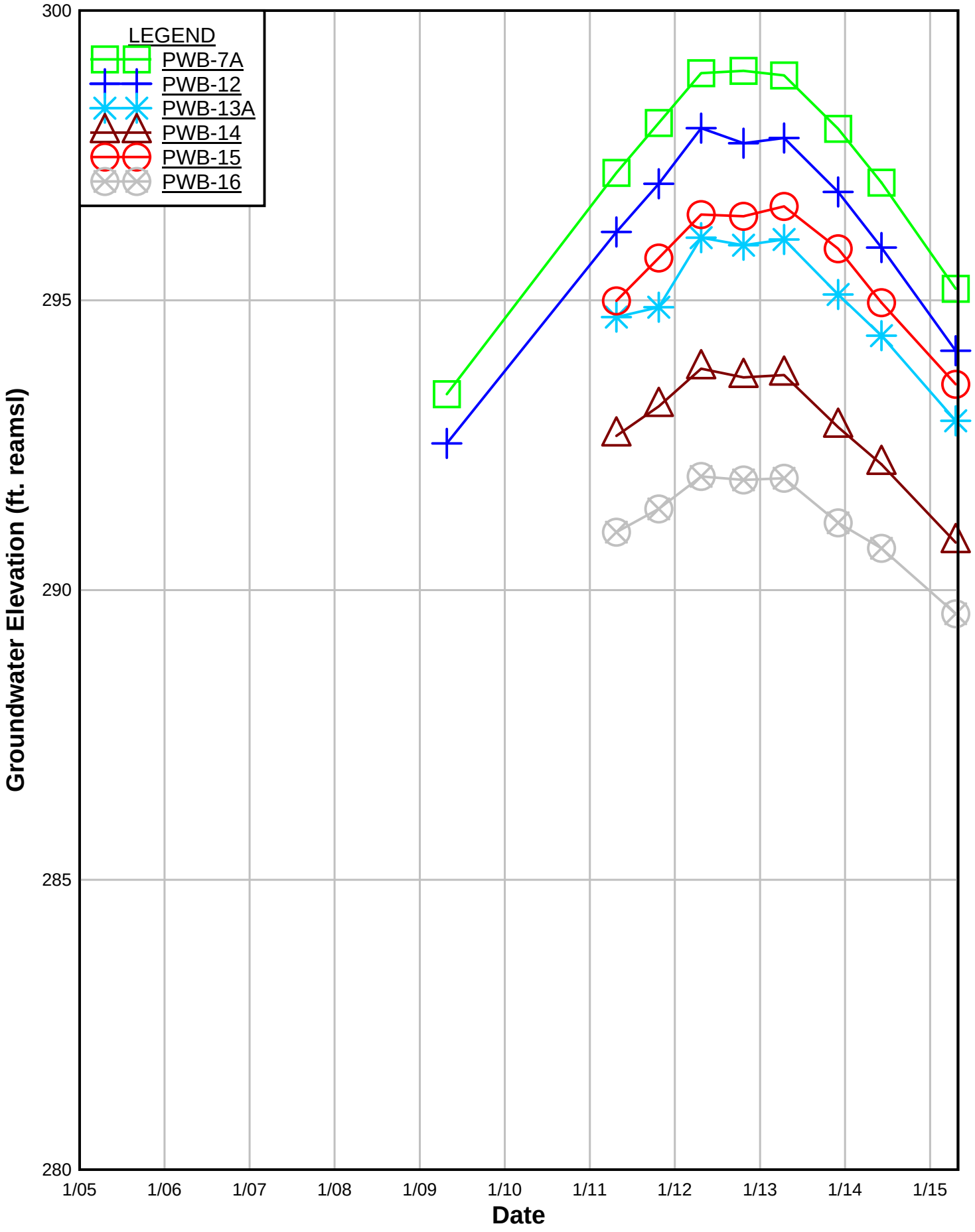
Graph E9: Groundwater Elevations (B-Zone)

PWB Series (Part 2)



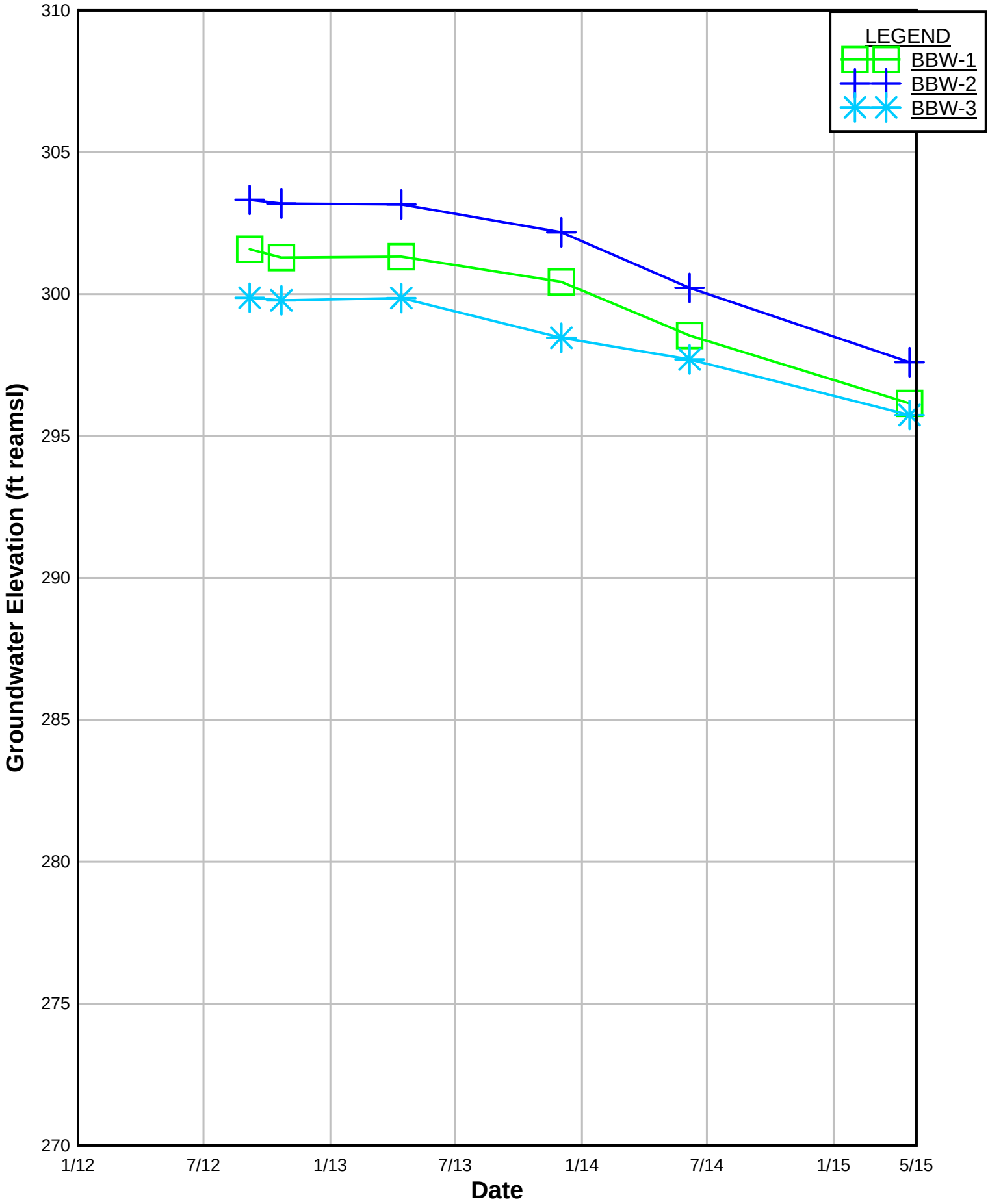
Graph E10: Groundwater Elevations (B-Zone)

PWB Series (Part 3)



Graph E11: Groundwater Elevations (B-Zone)

BBW Series Wells (Background Wells)



Appendix F
Groundwater Trend Analysis

Figure F-1: A-Zone 1,2-DCP Trends in Groundwater
Figure F-2: A-Zone 1,2,3-TCP Trends in Groundwater
Figure F-3: A-Zone Dinoseb Trends in Groundwater
Figure F-4: B-Zone 1,2-DCP Trends in Groundwater
Figure F-5: B-Zone 1,2,3-TCP Trends in Groundwater
Figure F-6: B-Zone Dinoseb—Trends in Groundwater

Table F-1: Groundwater Constituent Statistical Trends A-Zone 2009 to 2015
Table F-2: Groundwater Constituent Statistical Trends B-Zone 2009 to 2015
Table F-3: Groundwater Constituent Statistics A-Zone 2009 to 2015
Table F-4: Groundwater Constituent Statistics B-Zone 2009 to 2015

Figure F-1: A Zone 1,2-DCP - Trends in Groundwater

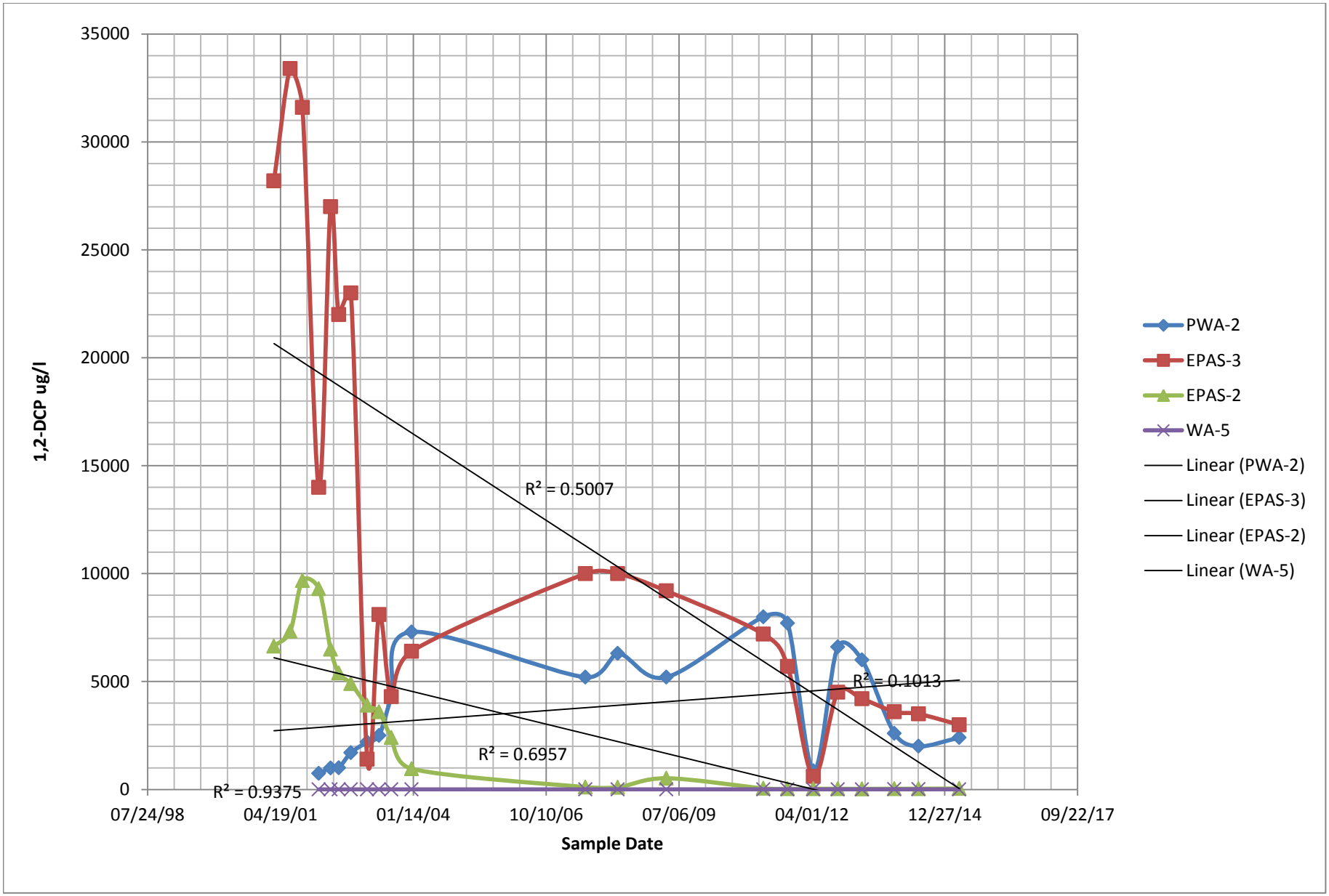


Figure F-2 A Zone 1,2,3 -TCP -Trends in Groundwater

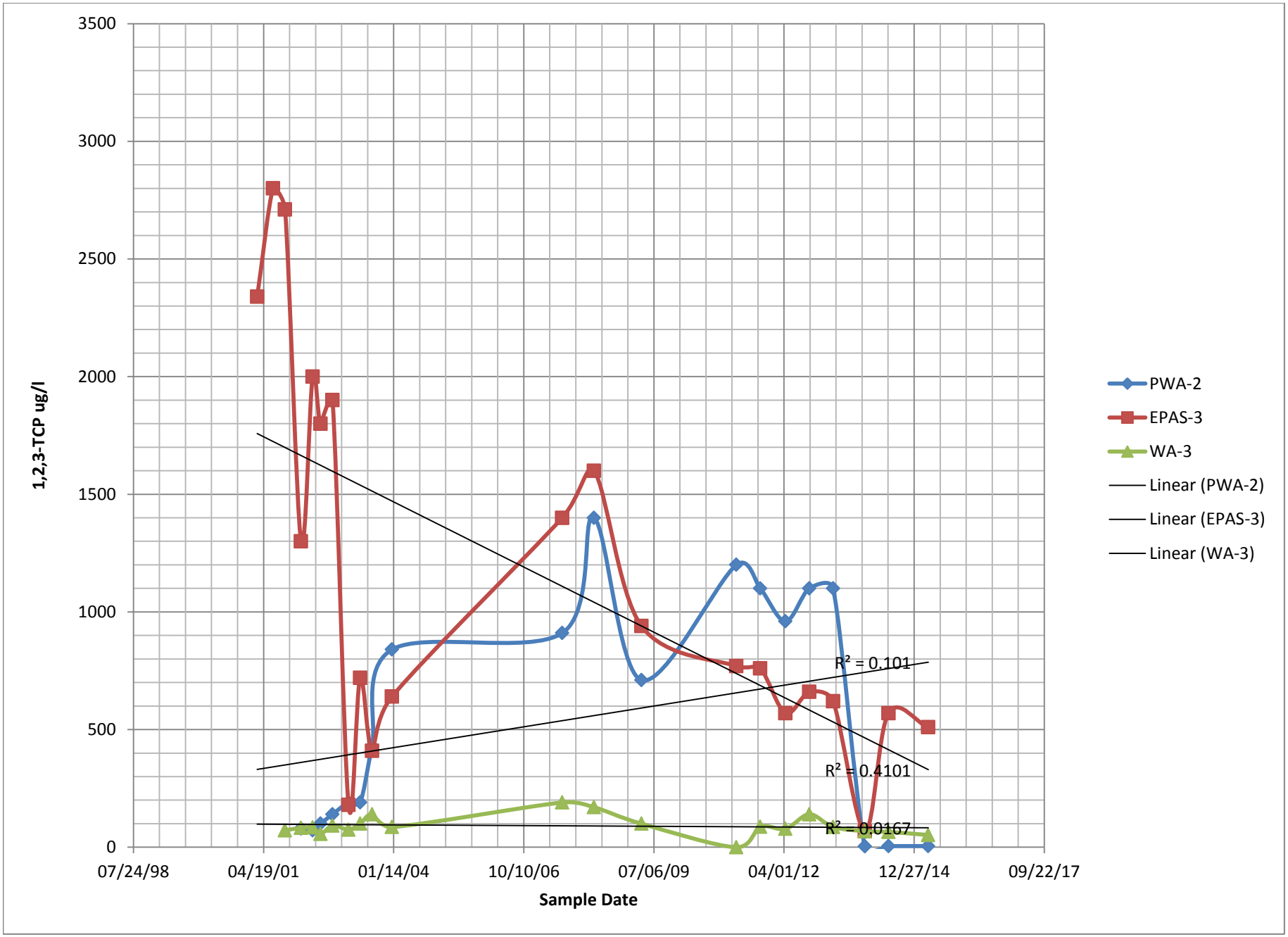


Figure F-3: A-Zone - Dinoseb Trends in Groundwater

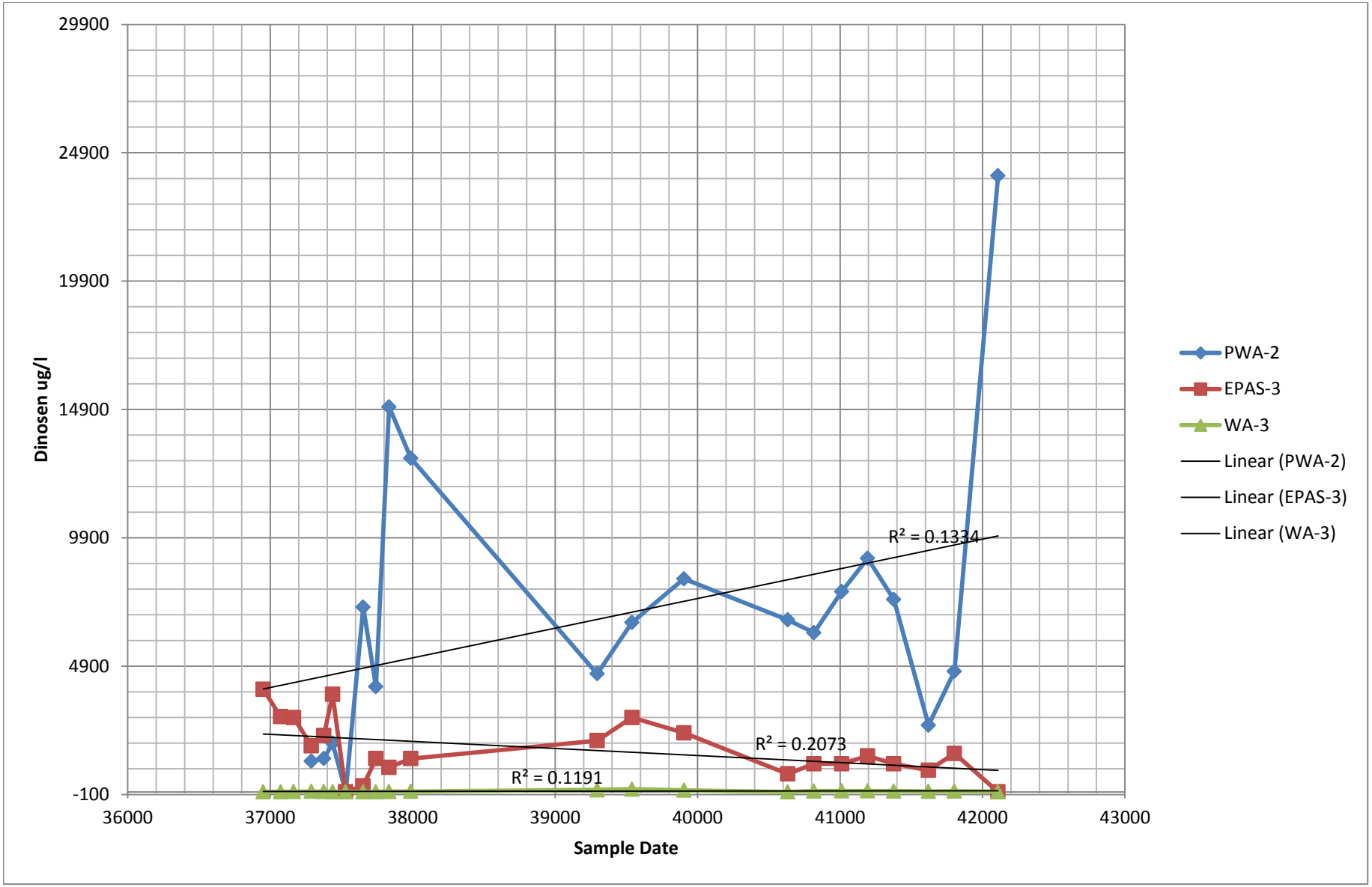


Figure F-4: B-Zone 1,2-DCP Trends in Groundwater

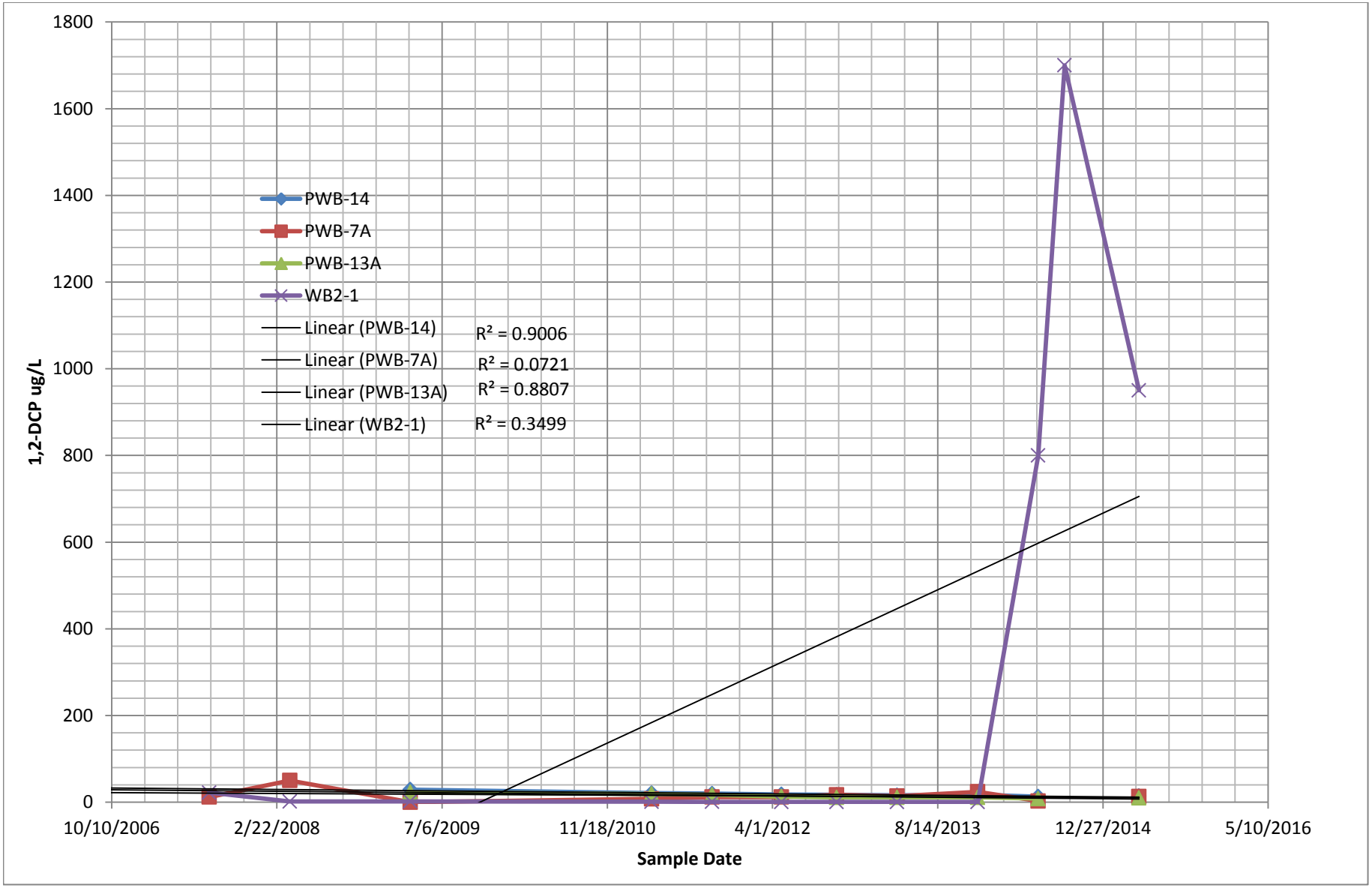


Figure F-5: B-Zone 1,2,3-TCP Trends in Groundwater

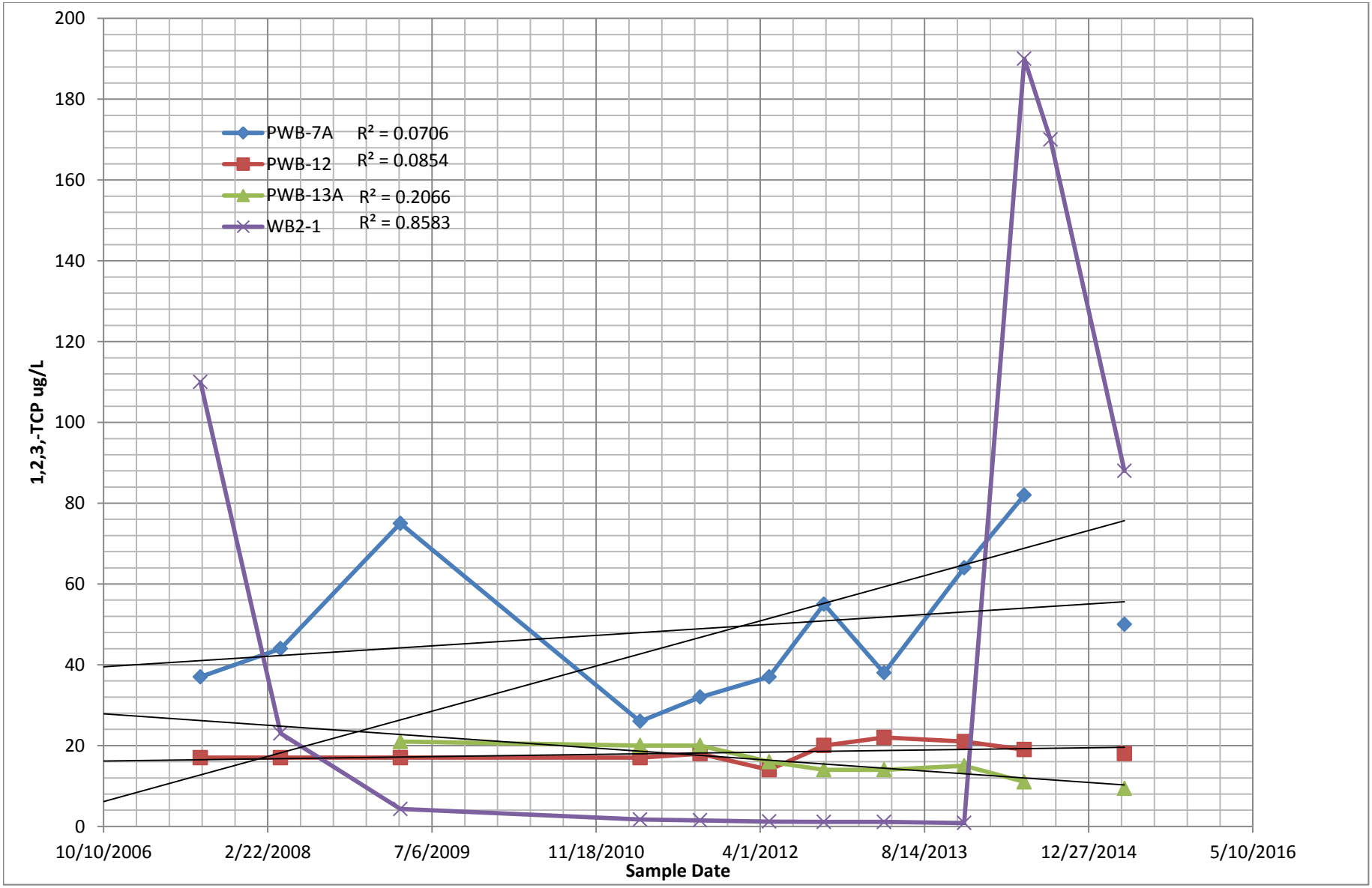


Figure F-6 B-Zone Dinoseb - Trends in Groundwater

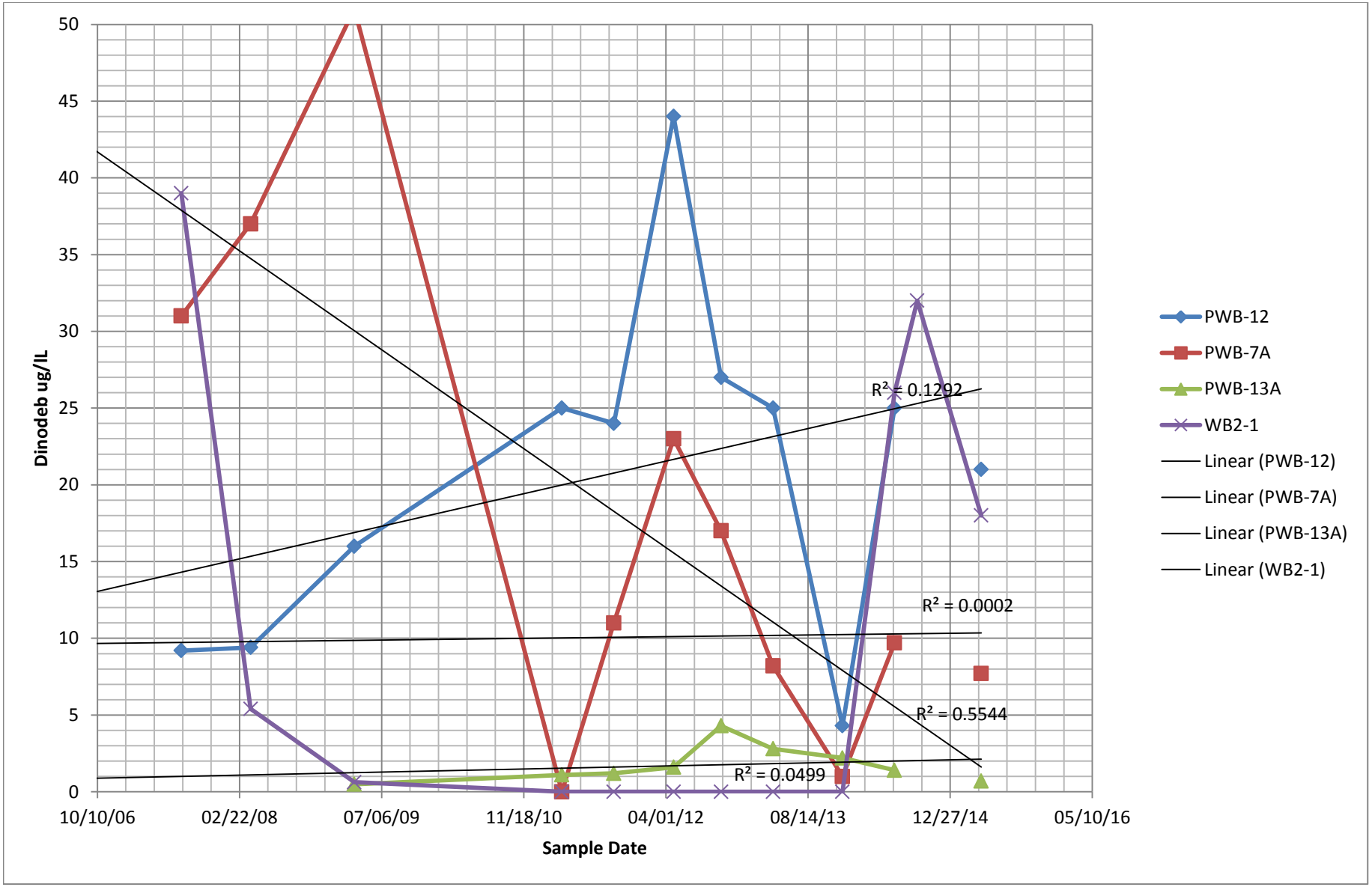


Table F-1
Groundwater Constituent Statistical Trends
A-Zone
2009 to 2015

Variable	Samples	Cleqnup Level B-Zone	Minimum	Maximum	Mean	Std. deviation	Kendall's tau	S	Var(S)	p-value (Two-tailed)	Sen's slope:	Trend Reliability[1]	Note-Qualitative Trend
1,2-DCP_EPAS-3	9	5	600.0	9200.0	4611.1	2501.7	-0.722	-26	0.0	0.006	-562.5	Good	Very high levels- declining
1,2-DCP_PWA-2	9	5	860.0	8000	4596	2671.1	-0.444	-16	91.0	0.119	-558.3	Poor	Very high levels- declining
1,2-DCP_EPAS-2	9	5	27.0	51.0	34.0	7.746	0.197	7	91.0	0.529	0.464	Poor	Moderate levels- undefined
1,2-DCP_WA-5	9	5	3.300	6.500	5.3	0.9	0.535	19	91.0	0.059	0.2	Good	Elevated -silightly increasing
1,2,3-TCP_PWA-2	9	0.005	350.0	1200.0	812.2	352.7	-0.435	-15	88.3	0.136	-79.2	Poor	Very high levels- declining
1,2,3-TCP_EPAS-3	9	0.005	68.0	940.0	607.6	241.5	-0.761	-27	91.0	0.006	-44.2	Good	Very high levels- declining
1,2,3-TCP_WA-3	8	0.005	52.0	140	85	26.9	-0.714	-20	21.0	0.014	-5.6	Good	High levels- undefined
1,2,3-TCP_EPAS-2	9	0.005	3.8	5.6	4.656	0.621	0.057	2	90.000	0.916	0.031	Poor	Moderate levels- undefined
1,2,3-TCP_WA-1	9	0.005	0.420	1.5	0.969	0.4	0.000	0	90.0	1.000	0.0	Poor	Moderate levels- undefined
1,2,3-TCP_PWA-7A	8	0.005	0.440	0.670	0.508	0.1	-0.182	-5	64.3	0.618	0.0	Poor	Elevated - undefined
1,2,3-TCP_PWA-3	9	0.005	0.0	0.110	0.066	0.0	0.085	3	91.0	0.834	0.0	Poor	Elevated - increaasing
1,3-DCP_EPAS-3	9	.0.5	3.4	15.0	6.989	3.6	-0.944	-34	0.0	< 0.0001	-1.0	Good	Moderate levels- declining
1,3-DCP_PWA-2	9	0.5	2.7	13.0	7.911	3.8	-0.686	-24	90.0	0.015	-1.3	Good	Moderate levels- declining
DBCP_EPAS-3	8	0.2	240.0	530.0	315.0	104.5	-0.617	-16	60.7	0.054	-24.8	Good	High levels- declining
DBCP_PWA-2	9	0.2	140.0	480.0	281.1	115.7	-0.254	-9	91.0	0.402	-19.2	Poor	High levels- declining
DBCP_EPAS-2	9	0.2	0.640	32.0	4.390	10.355	-0.479	-17	91.0	0.093	-0.081	Good	Moderate Levels-stable
DBCP_WA-3	8	0.2	0.250	2.8	1.018	0.8	-0.929	-26	21.0	0.000	-0.2	Good	Low levels - declining
Dinoseb_PWA-2	9	7	2600.0	24000	8544	6123	-0.056	-2	91.0	0.919	-155.0	Poor	Very high Level - rebound rapidly
Dinoseb_EPAS-2	9	7	5.1	9200	1027.5	3064.7	-0.366	-13	91.0	0.208	-0.24	Poor	Rapid decline - stable
Dinoseb_EPAS-3	9	7	700.0	2300	1197	496.3	-0.145	-5	88.3	0.670	-58.3	Poor	High Level -stab;e
Dinoseb_WA-3	8	7	6.7	69.0	34.8	17.7	-0.714	-20	21.0	0.014	-5.7	Good	Moderate Levels-decline
Dinoseb_WA-2	8	7	0.0	0.220	0.028	0.1	0.500	7	21.0	0.190	0.0	Poor	Low levels - slight increase
EDB_PWA-2	9	0.05	37.0	140.0	80.2	35.2	-0.704	-25	91.0	0.012	-12.5	Good	High levels- declining
EDB_EPAS-3	9	0.05	0.0	6.600	2.967	1.9	-0.722	-26	88.3	0.006	-0.4	Good	Moderate levels- declining

Notes:
1. p-value (Two-tailed) greater than 0.05 indicates low stataistical reliability of trend.

	Very High Levels of constituent
	High Level
	Moderate Level
	Elevated

Table F-2
Groundwater Constituent Statistical Trends B-Zone
2009 to 2015

Variable	Samples	Cleanup Levls B-Zone	Minimum	Maximum	Mean	Std. deviation	Kendall's tau	S	Var(S)	p-value (Two-tailed)	Sen's slope:	Trend Reliability[1]	Note-Qualitative Trend
1,2-DCP_WB2-1 **	10	5	0.49	1700.0	345.58	599.8	0.067	3.0	91.0	0.862	75.000	poor	Very high levels-rapid increase 2013
1,2-DCP_PWB-14	9	5	13.00	29.00	18.33	4.7	-0.873	-31.0	91.0	0.002	-1.292	good	Moderate level - decreasing
1,2-DCP_PWB-7A	9	5	0.20	24.00	11.40	7.2	0.423	15.0	91.0	0.142	1.486	poor	Moderate level - increasing (variable)
1,2-DCP_PWB-13A	9	5	8.40	23.00	13.70	4.9	-0.899	-31.0	88.3	0.001	-1.660	good	Moderate level - decreasing
1,2-DCP_PWB-2	9	5	1.10	21.00	9.19	8.3	-0.873	-31.0	91.0	0.002	-2.604	good	Moderate level - decreasing
1,2-DCP_PWB-4	9	5	2.60	16.00	5.89	5.2	-0.479	-17.0	91.0	0.093	-0.219	good	Low level - decreasing
1,2-DCP_WB2-2	9	5	0.67	11.00	3.21	4.2	-0.722	-26.0	108.3	0.006	-0.433	good	Low level - decreasing
1,2-DCP_PWB-16	9	5	7.40	10.00	8.70	0.9	-0.310	-11.0	91.0	0.295	-0.170	poor	Low level - decreasing
1,2-DCP_PWB-15	9	5	5.00	8.10	6.46	1.0	0.556	20.0	91.0	0.045	0.182	good	Low level - increasing
1,2-DCP_AMW-4R	9	5	0.37	5.50	1.32	1.7	-0.500	-18.0	90.0	0.075	-0.036	poor	Low level - rebound 2014
1,2-DCP_PWB-12	9	5	4.00	5.40	4.79	0.5	-0.197	-7.0	91.0	0.529	-0.035	good	Low level- undefined
1,2,3-TCP_WB2-1 **	10	0.005	0.84	190.0	45.97	75.7	-0.045	-2.0	124.0	0.928	-0.050	poor	Very high levels-rapid increase 2013
1,2,3-TCP_PWB-7A	9	0.005	26.00	82.00	51.00	19.6	0.389	14.0	91.0	0.180	3.000	poor	Very high levels-rapid increase 2013
1,2,3-TCP_PWB-4	9	0.005	12.00	70.00	24.00	20.7	0.000	0.0	87.3	1.000	0.000	poor	High level- decreasing
1,2,3-TCP_WB2-2	9	0.005	2.30	40.00	13.47	14.1	-1.000	-36.0	108.3	< 0.0001	-2.658	good	High level- decreasing
1,2,3-TCP_PWB-12	9	0.005	14.00	22.00	18.56	2.4	0.400	14.0	90.0	0.171	0.417	poor	Hiigh level - increasing (variable)
1,2,3-TCP_PWB-5	8	0.005	2.50	20.00	12.78	5.3	0.071	2.0	91.0	0.905	0.333	poor	High level - increasing (variable)
1,2,3-TCP_PWB-13A	9	0.005	7.90	15.00	10.90	3.2	0.493	17.0	88.3	0.089	0.267	good	High level - increasing (variable)
1,2,3-TCP_PWB-8	9	0.005	0.00	13.00	6.82	4.0	0.000	0.0	91.0	0.919	0.030	poor	HIgh level - undifined
1,2,3-TCP_PWB-14	9	0.005	2.50	5.90	3.31	1.1	-0.648	-23.0	91.0	0.021	-0.175	good	Moderate level -decreasing
1,2,3-TCP_PWB-9	9	0.005	0.00	4.70	2.41	1.3	-0.028	-1.0	91.0	1.000	-0.013	poor	Moderate levels -undifined (variable)
1,2,3-TCP_PWB-11	9	0.005	2.70	4.10	3.51	0.5	0.141	5.0	91.0	0.675	0.071	poor	Moderate levels -increasing (variable)
1,2,3-TCP_PWB-16	9	0.005	2.50	3.90	3.14	0.5	0.457	16.0	90.0	0.114	0.120	poor	Moderate levels -increasing (variable)
1,2,3-TCP_PWB-2	9	0.005	0.04	2.10	0.68	0.7	-0.500	-18.0	91.0	0.075	-0.144	good	Moderate levels - decreasing
1,2,3-TCP_BBW-2	6	0.005	0.04	2.00	0.97	0.6	0.200	3.0	11.7	0.719	0.057	poor	Moderate levels -increasing
1,2,3-TCP_PWB-10	9	0.005	0.23	1.60	0.54	0.4	0.167	6.0	91.0	0.612	0.015	poor	Moderate level -decreasing
1,2,3-TCP_BBW-1	6	0.005	0.32	1.40	0.56	0.4	-0.200	-3.0	75.3	0.719	-0.030	poor	Moderate level -decreasing
1,2,3-TCP_PWB-15	9	0.005	0.27	1.40	0.86	0.5	0.730	24.0	83.3	0.012	0.131	good	Moderate level -increasing
1,2,3-TCP_WB2-3	9	0.005	0.08	1.10	0.46	0.3	-0.444	-16.0	91.0	0.119	-0.079	poor	Moderate level -decreasing (variable)
1,2,3-TCP_AR-1	9	0.005	0.05	0.65	0.17	0.2	-0.222	-8.0	0.0	0.477	-0.010	poor	Low level - rebound 2014
1,2,3-TCP_PWB-6	9	0.005	0.00	0.58	0.07	0.2	-0.061	-2.0	83.3	0.913	0.000	poor	Low levels - rapid decrease 2010- static
1,2,3-TCP_AMW-4R	9	0.005	0.23	0.55	0.38	0.1	-0.197	-7.0	91.0	0.529	-0.008	poor	Low levels -undifined (variable)
1,2,3-TCP_PWB-1	9	0.005	0.11	0.35	0.18	0.1	-0.236	-8.0	87.3	0.454	-0.004	poor	Low levels -undifined (variable)
1,2,3-TCP_PWB-3	9	0.005	0.09	0.34	0.24	0.1	0.056	2.0	88.3	0.919	0.002	poor	Low levels -undifined (variable)
1,2,3-TCP_AMW-3R	9	0.005	0.19	0.30	0.23	0.0	0.171	6.0	90.0	0.598	0.003	poor	Low levels -undifined (variable)
1,2,3-TCP_WB2-4	9	0.005	0.07	0.10	0.08	0.0	0.057	2.0	90.0	0.916	0.000	poor	Low levels -undifined (variable)
1,2,3-TCP_BBW-3	6	0.005	0.01	0.02	0.01	0.0	-0.867	-13.0	11.7	0.017	-0.002	good	Low levels - decreasing
Dinoseb_PWB-7A	9	7	0.20	51.00	14.31	15.5	-0.333	-12.0	91.0	0.260	-2.147	poor	High initally - decrease to elevated only
Dinoseb_PWB-12	9	7	16.00	44.00	25.89	7.6	0.029	1.0	88.3	1.000	0.000	poor	Moderate - peaked 2012 -decreasing
Dinoseb_WB2-1 **	10	7	0.20	32.00	7.79	12.6	0.227	9.0	108.3	0.442	0.000	poor	Moderate - rebound in 214

Table F-2
Groundwater Constituent Statistical Trends B-Zone
2009 to 2015

Variable	Samples	Cleanup Levls B-Zone	Minimum	Maximum	Mean	Std. deviation	Kendall's tau	S	Var(S)	p-value (Two-tailed)	Sen's slope:	Trend Reliability[1]	Note-Qualitative Trend
Dinoseb_WB2-2	9	7	0.12	12.00	2.44	3.8	-0.817	-29.0	91.0	0.003	-0.444	good	Moderate - decreasing
Dinoseb_PWB-4	9	7	0.29	9.00	2.54	3.3	-0.556	-20.0	91.0	0.045	-0.178	good	Elevated - decreasing
Dinoseb_PWB-5	8	7	0.37	7.00	1.88	2.2	-0.036	-1.0	64.3	1.000	-0.005	poor	Elevated - decrease, rebound Dec-2013
DBCP_PWB-7A	9	0.2	0.09	31.00	5.45	10.3	-0.423	-15.0	91.0	0.142	-0.150	poor	High initally - decrease to elevated only
DBCP_PWB-4	9	0.2	0.21	4.10	0.81	1.3	-0.197	-7.0	91.0	0.529	-0.012	poor	Moderate initally - decrease to elevated
DBCP_PWB-12	9	0.2	2.10	3.60	2.97	0.4	0.479	17.0	91.0	0.093	0.121	poor	Moderate - increasing
DBCP_PWB-13A	9	0.2	0.02	3.20	1.04	0.9	0.556	20.0	86.3	0.045	0.202	good	Elevated initally -increased to moderate
DBCP_WB2-2	9	0.2	0.07	3.10	0.75	1.0	-0.833	-30.0	108.3	0.001	-0.135	good	Moderate initally - decrease to elevated
DBCP_PWB-5	8	0.2	0.31	1.50	0.58	0.4	-0.143	-4.0	91.0	0.720	-0.013	poor	Elevated early - spike-up DEC 2013 only
DBCP_PWB-14	9	0.2	0.09	1.10	0.32	0.3	-0.833	-30.0	88.3	0.001	-0.047	good	Elevated - decreasing
DBCP_PWB-8.	9	0.2	0.02	0.72	0.39	0.2	-0.167	-6.0	91.0	0.612	-0.031	poor	Elevated - variable
DBCP_PWB-9	9	0.2	0.02	0.62	0.09	0.2	0.118	4.0	87.3	0.748	0.000	poor	Elevated - spike-up DEC 2013 only
DBCP_PWB-15	9	0.2	0.02	0.56	0.13	0.2	0.808	27.0	86.3	0.005	0.020	good	Elevated - spike-up DEC 2013 only
DBCP_PWB-10	9	0.2	0.02	0.18	0.04	0.1	-0.392	-12.0	75.3	0.205	0.000	poor	Elevated - decreasing

Notes:
1. p-value (Two-tailed) greater than 0.05 indicates low stataistical reliability of trend.

** - indicates recent rapid increase in concentration of compound.

Very High Levels of constituent
High Level
Moderate Level
Elevated

Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

XLSTAT 2015.4.01.21575 - Mann-Kendall trend tests - on 9/23/2015 at 1:35:27 PM

Time series: Workbook = Table F-3 A-Zone Contaminant Statistics Post-2009.xlsm / Sheet = Data Transposed-trimmed post09 / Range = 'Data Transposed-trimmed post09'!$N$2:$AK$11 / 9 rows and 24 columns

Date data: Workbook = Table F-3 A-Zone Contaminant Statistics Post-2009.xlsm / Sheet = Data Transposed-trimmed post09 / Range = 'Data Transposed-trimmed post09'!$A$2:$A$11 / 9 rows and 1 column
Confidence interval (%): 5
Confidence interval (%)(Sen's slope): 5

Summary statistics:

Variable	Observation with missingithout missi			Minimum	Maximum	Mean	Std. deviation	Page
1,2-DCP_\EPAS-2	9	0	9	27.000	51.000	34.000	7.746	2
1,2,3-TCP_EPAS-2	9	0	9	3.800	5.600	4.656	0.621	3
DBCP_EPAS-2	9	0	9	0.640	32.000	4.390	10.355	4
Dinoseb_EPAS-2	9	0	9	5.100	9200.000	1027.511	3064.683	5
1,2-DCP	9	0	9	600.000	9200.000	4611.111	2501.722	6
1,3-DCP_EPAS-3	9	0	9	3.400	15.000	6.989	3.627	7
1,2,3-TCP_EPAS-3	9	0	9	68.000	940.000	607.556	241.482	8
DBCP_EPAS-3	9	1	8	240.000	530.000	315.000	104.471	9
Dinoseb_EPAS-3	9	0	9	700.000	2300.000	1196.667	496.286	10
EDB_EPAS-3	9	0	9	0.000	6.600	2.967	1.855	11
1,2-DCP_WA-1	9	0	9	0.000	1.000	0.397	0.445	12
1,2,3-TCP_WA-1	9	0	9	0.420	1.500	0.969	0.383	13
1,2,3-TCP_WA-2	9	1	8	0.000	0.014	0.008	0.004	14
Dinoseb_WA-2	9	1	8	0.000	0.220	0.028	0.078	15
1,2-DCP_WA-3	9	1	8	0.210	2.500	1.486	0.752	16
1,2,3-TCP_WA-3	9	1	8	52.000	140.000	84.500	26.939	17
DBCP_WA-3	9	1	8	0.250	2.800	1.018	0.792	18
Dinoseb_WA-3	9	1	8	6.700	69.000	34.838	17.678	19
1,2-DCP_WA-5	9	0	9	3.300	6.500	5.300	0.937	20
1,2-DCP_PWA-2	9	0	9	860.000	8000.000	4595.556	2671.082	21
1,3-DCP_PWA-2	9	0	9	2.700	13.000	7.911	3.826	22
1,2,3-TCP_PWA-2	9	0	9	350.000	1200.000	812.222	352.731	23
DBCP_PWA-2	9	0	9	140.000	480.000	281.111	115.698	24
Dinoseb_PWA-2	9	0	9	2600.000	24000.000	8544.444	6122.726	25
EDB_PWA-2	9	0	9	37.000	140.000	80.222	35.163	26
1,2,3-TCP_PWA-3	9	0	9	0.000	0.110	0.066	0.039	27
1,2,3-TCP_PWA-7A	9	1	8	0.440	0.670	0.508	0.071	28

Summary statistics:

Summary statistics:

Variable	Observation with missingithout missi	Minimum	Maximum	Mean	Std. deviation

Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_\EPAS-2):

Kendall's tau	0.197
S	7.000
Var(S)	91.000
p-value (Two-tailed)	0.529
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 52.94%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.464
Confidence interval:	] 0.393, 0.500 [

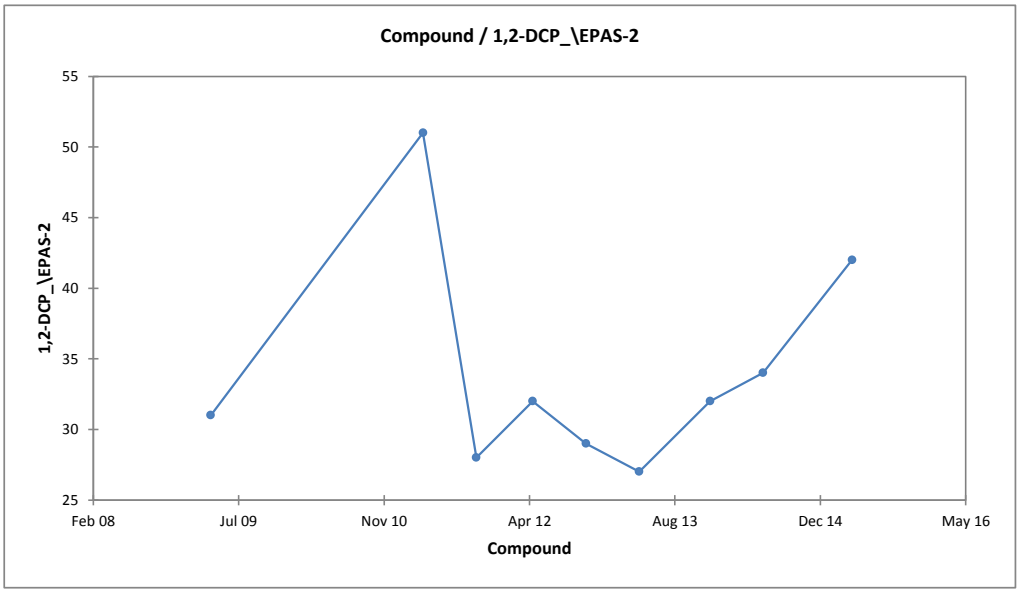


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_EPAS-2):

Kendall's tau	0.057
S	2.000
Var(S)	90.000
p-value (Two-tailed)	0.916
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 91.61%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.031
Confidence interval:	] 0.000, 0.064 [

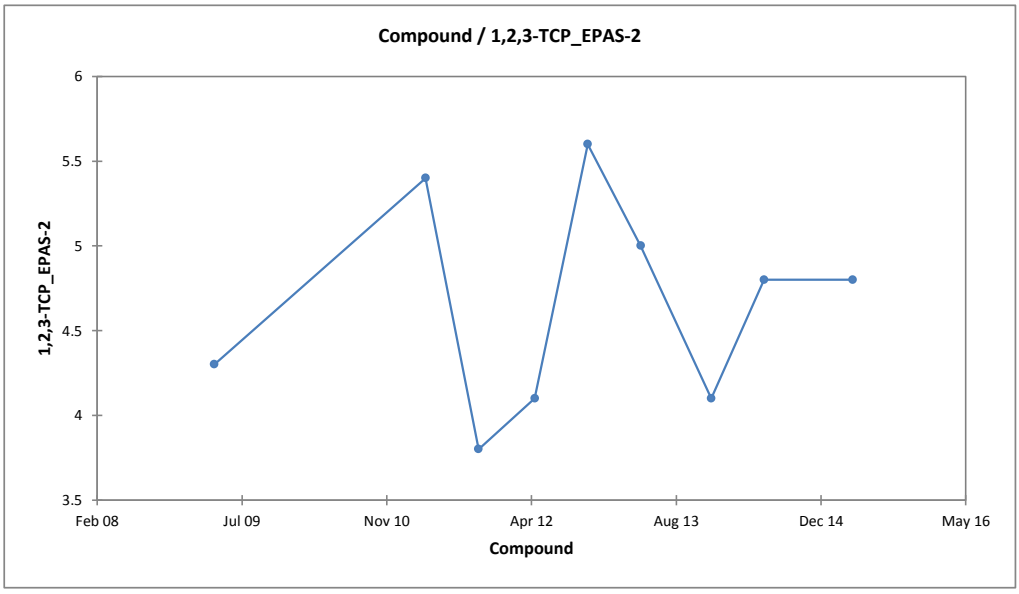


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (DBCP_EPAS-2):

Kendall's tau	-0.479
S	-17.000
Var(S)	91.000
p-value (Two-tailed)	0.093
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 9.35%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.081
Confidence interval:	] -0.083 , -0.076 [

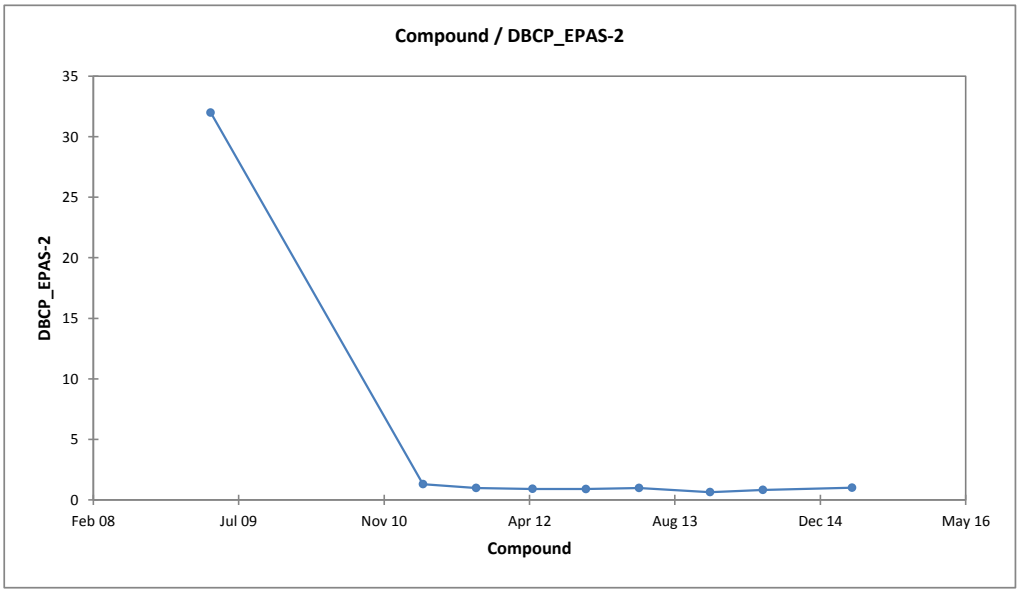


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (Dinoseb_EPAS-2):

Kendall's tau	-0.366
S	-13.000
Var(S)	91.000
p-value (Two-tailed)	0.208
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 20.84%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.242
Confidence interval:	] -0.250 , -0.221 [

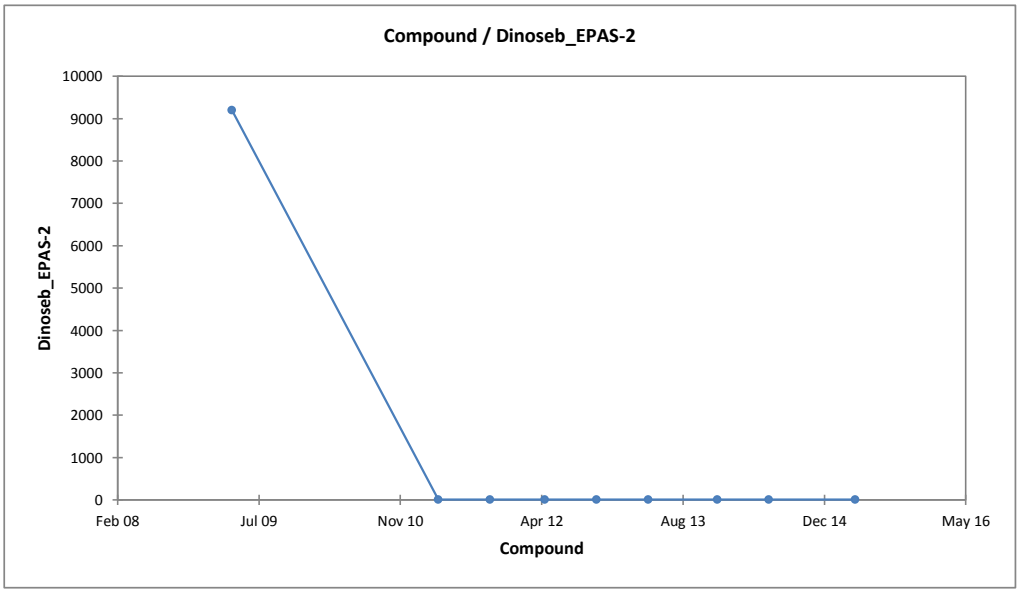


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_EPAS-3):

Kendall's tau	-0.722
S	-26.000
Var(S)	0.000
p-value (Two-tailed)	0.006
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.59%.

Sen's slope:	-562.5
Confidence interval:	] -600.000 , -515.625 [

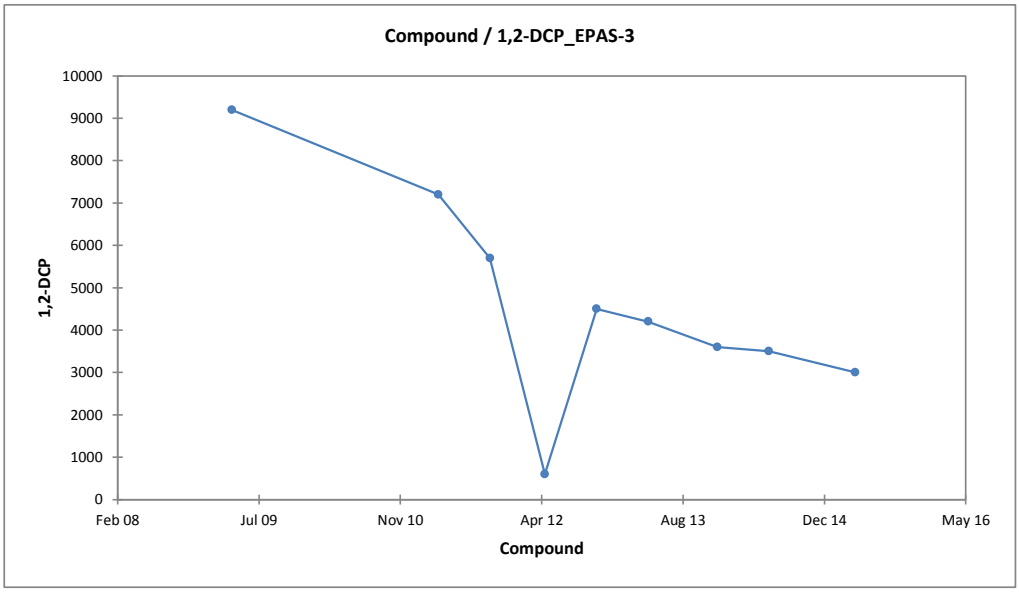


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,3-DCP_EPAS-3):

Kendall's tau	-0.944
S	-34.000
Var(S)	0.000
p-value (Two-tailed)	< 0.0001
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.01%.

Sen's slope:	-1.013
Confidence interval:	] -1.044 , -0.978 [

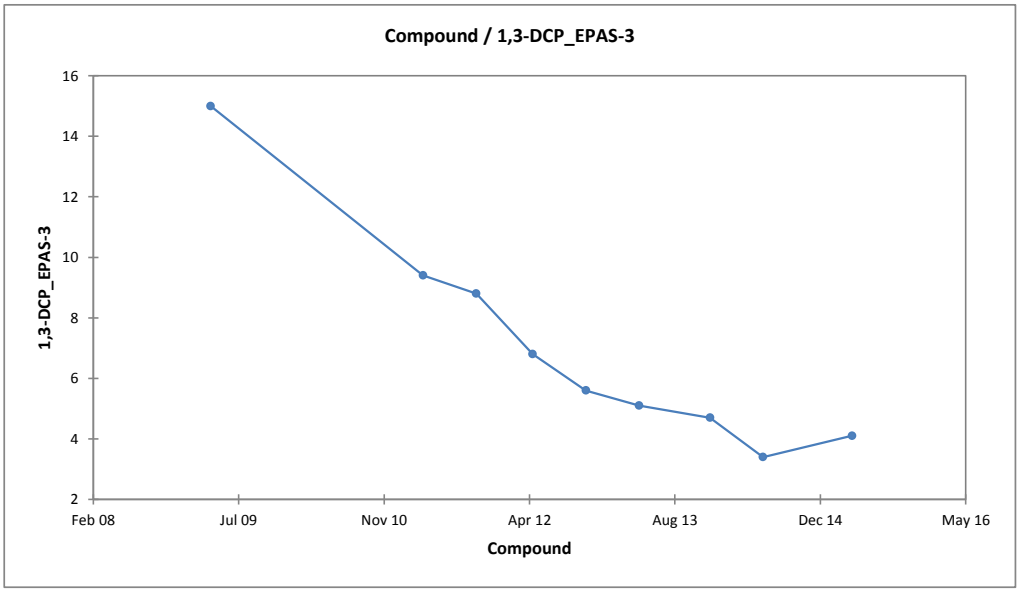


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_EPAS-3):

Kendall's tau	-0.761
S	-27.000
Var(S)	91.000
p-value (Two-tailed)	0.006
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.64%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-44.167
Confidence interval:	] -47.917 , -41.042 [

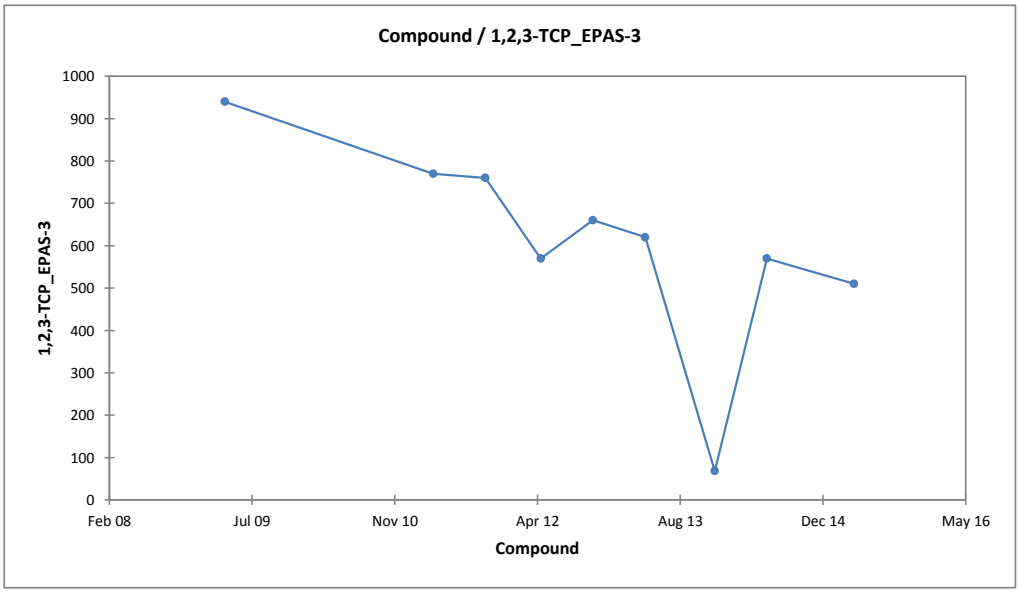


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (DBCP_EPAS-3):

Kendall's tau	-0.617
S	-16.000
Var(S)	60.667
p-value (Two-tailed)	0.054
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 5.41%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-24.833
Confidence interval:	] -28.788 , -21.375 [

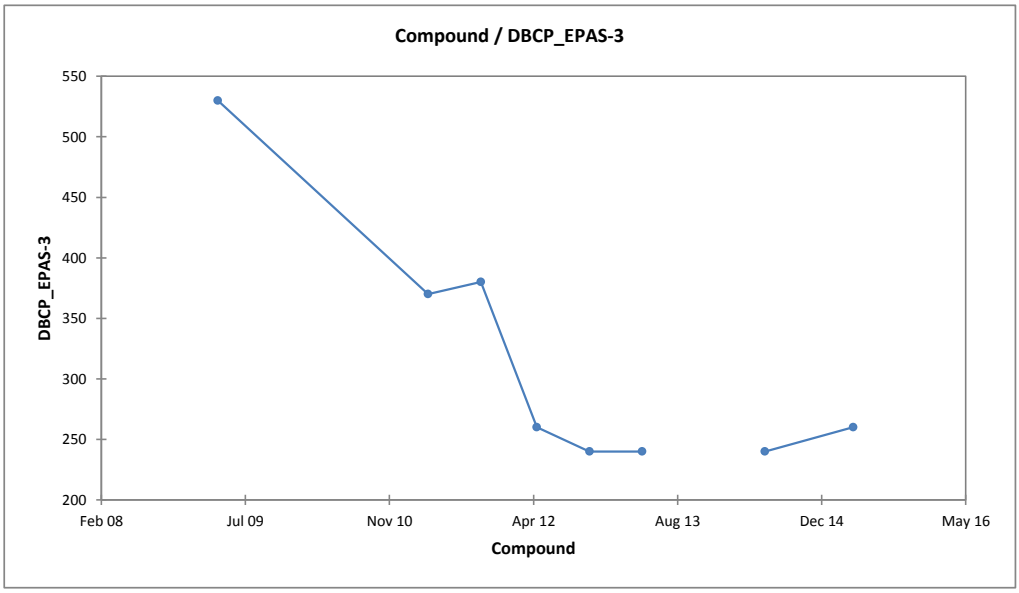


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (Dinoseb_EPAS-3):

Kendall's tau	-0.145
S	-5.000
Var(S)	88.333
p-value (Two-tailed)	0.670
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 67.04%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-58.333
Confidence interval:	] -62.917 , -34.375 [

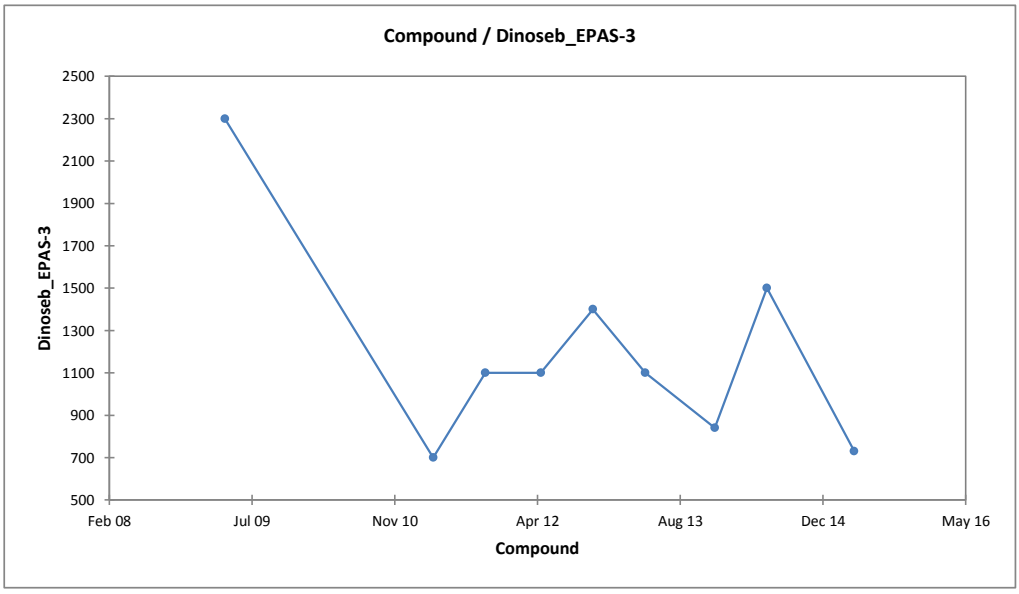


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (EDB_EPAS-3):

Kendall's tau	-0.722
S	-26.000
Var(S)	88.333
p-value (Two-tailed)	0.006
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.59%.

Sen's slope:	-0.408
Confidence interval:	] -0.418 , -0.400 [

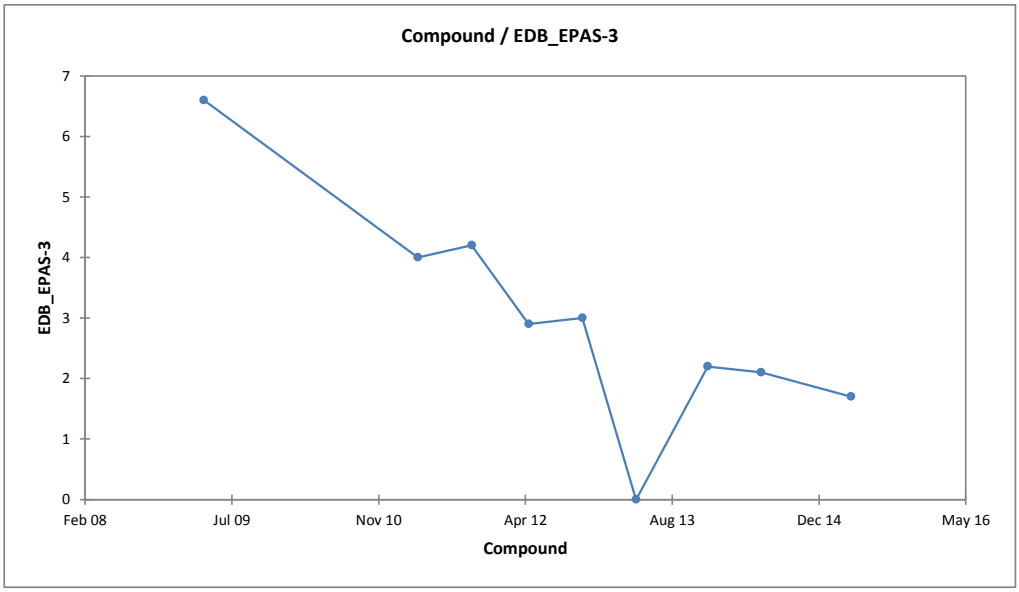


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_WA-1):

Kendall's tau	0.203
S	7.000
Var(S)	88.333
p-value (Two-tailed)	0.523
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 52.32%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.008
Confidence interval:	] 0.005, 0.010 [

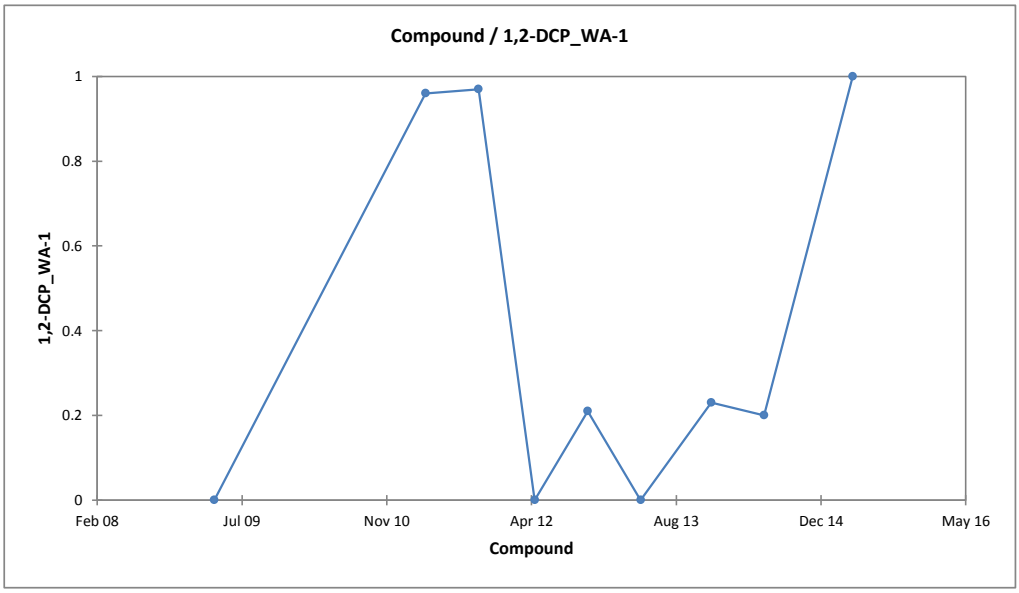


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WA-1):

Kendall's tau	0.000
S	0.000
Var(S)	90.000
p-value (Two-tailed)	1.000
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 100.00%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0
Confidence interval:	] -0.006 , 0.009 [

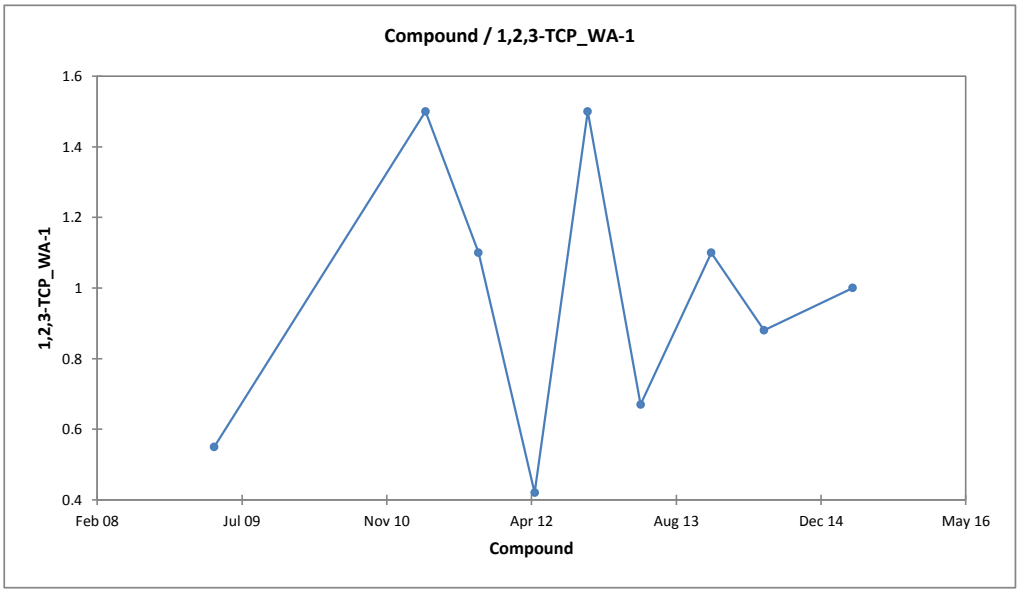


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WA-2):

Kendall's tau	-0.143
S	-4.000
Var(S)	90.000
p-value (Two-tailed)	0.720
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 71.95%.

Sen's slope:	-5.400E-4
Confidence interval:	] -0.001 , -0.000 [

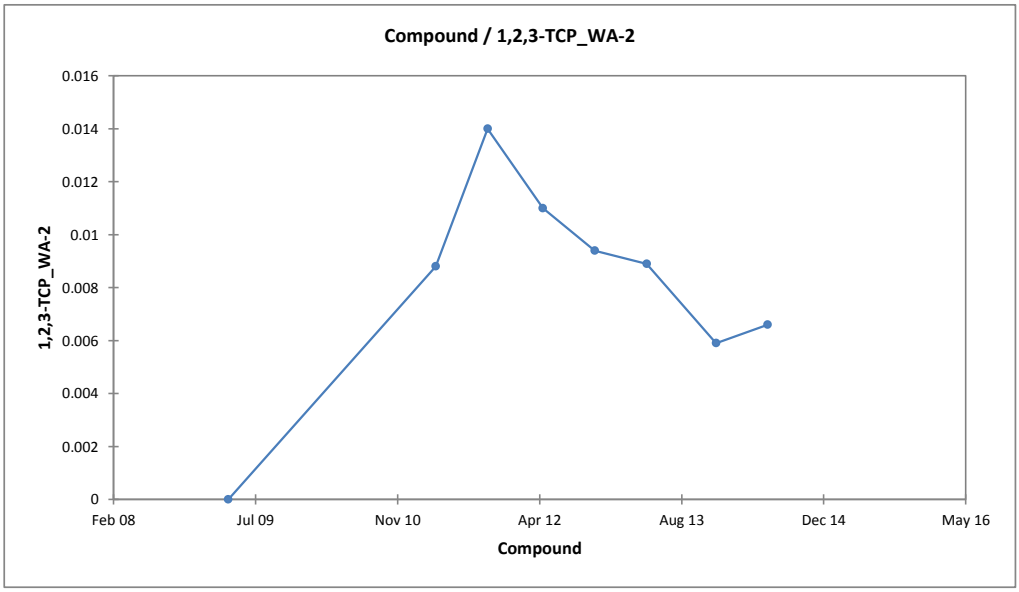


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (Dinoseb_WA-2):

Kendall's tau	0.500
S	7.000
Var(S)	21.000
p-value (Two-tailed)	0.190
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 19.04%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0
Confidence interval:	] 0.000, 0.000 [

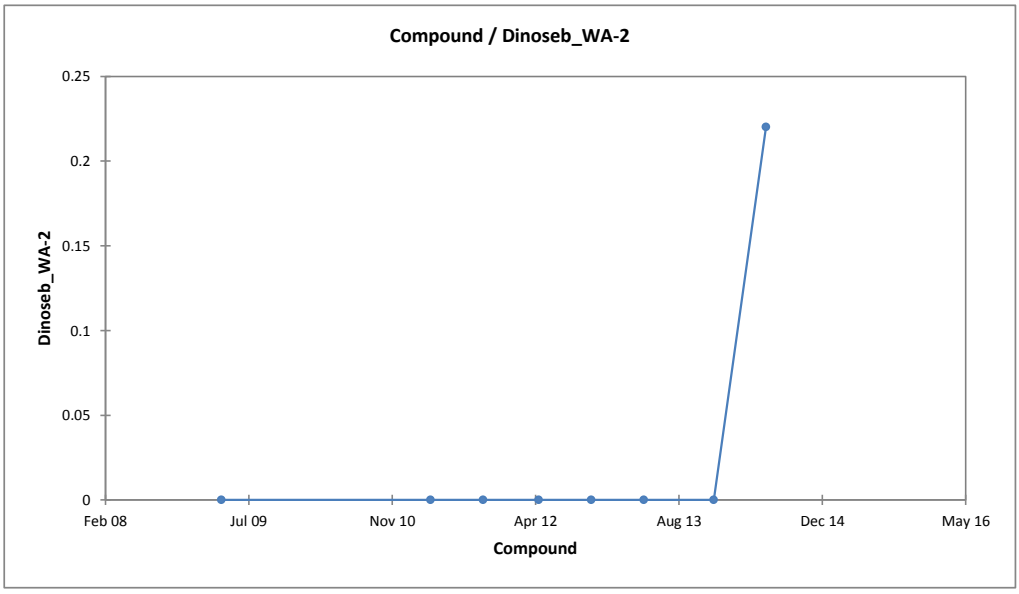


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_WA-3):

Kendall's tau	-0.786
S	-22.000
Var(S)	21.000
p-value (Two-tailed)	0.006
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.55%.

Sen's slope:	-0.241
Confidence interval:	] -0.249 , -0.231 [

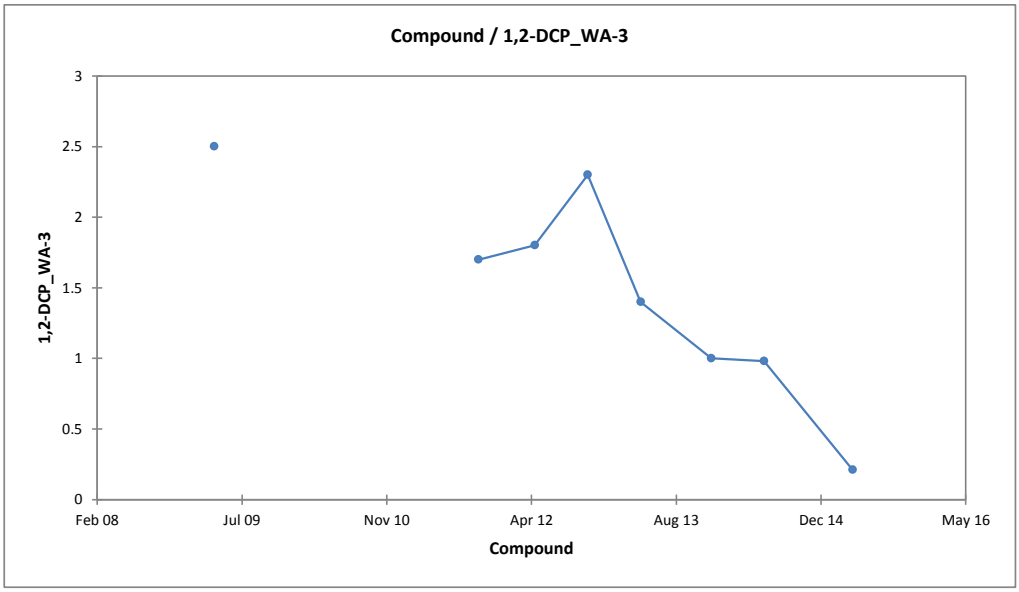


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WA-3):

Kendall's tau	-0.714
S	-20.000
Var(S)	21.000
p-value (Two-tailed)	0.014
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 1.41%.

Sen's slope:	-5.583
Confidence interval:	] -5.863 , -5.310 [

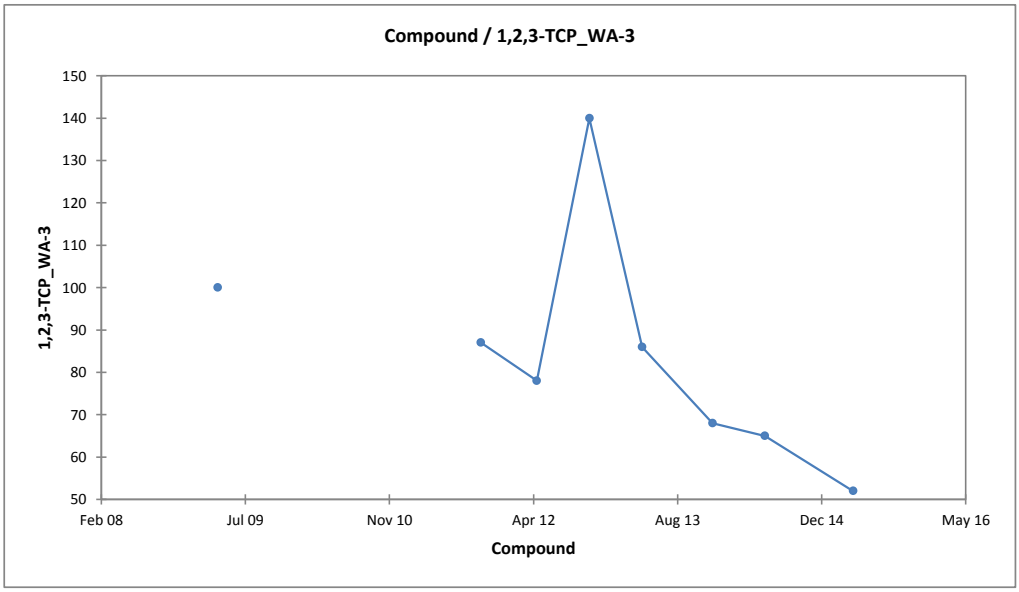


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (DBCP_WA-3):

Kendall's tau	-0.929
S	-26.000
Var(S)	21.000
p-value (Two-tailed)	0.000
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.04%.

Sen's slope:	-0.197
Confidence interval:	] -0.210 , -0.181 [

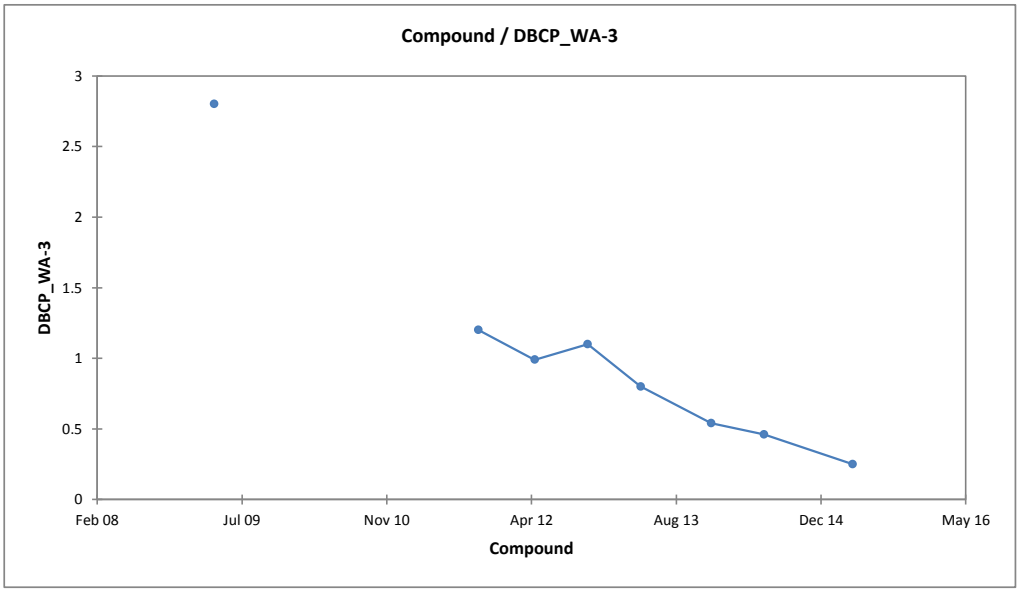


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (Dinoseb_WA-3):

Kendall's tau	-0.714
S	-20.000
Var(S)	21.000
p-value (Two-tailed)	0.014
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 1.41%.

Sen's slope:	-5.714
Confidence interval:	] -6.046 , -5.412 [

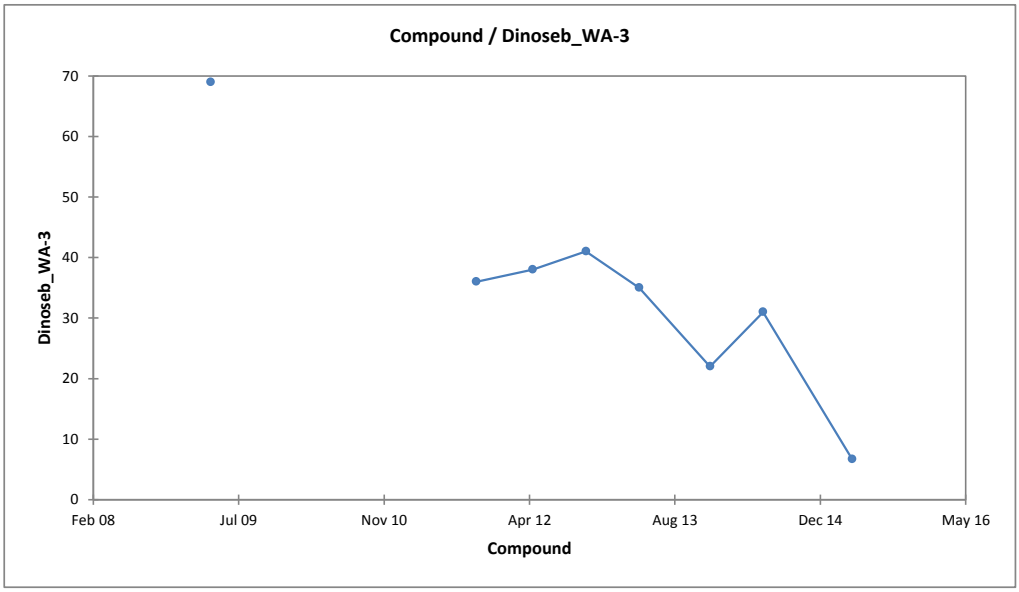


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_WA-5):

Kendall's tau	0.535
S	19.000
Var(S)	91.000
p-value (Two-tailed)	0.059
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 5.92%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.2
Confidence interval:	] 0.200, 0.219 [

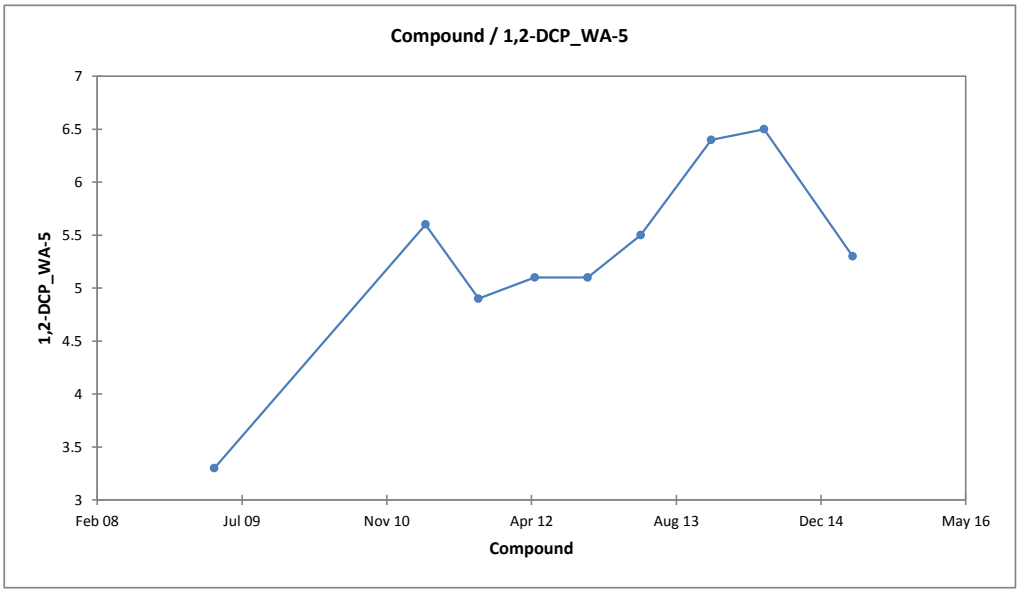


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWA-2):

Kendall's tau	-0.444
S	-16.000
Var(S)	91.000
p-value (Two-tailed)	0.119
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 11.94%.

Sen's slope:	-558.333
Confidence interval:	] -579.167 , -531.250 [

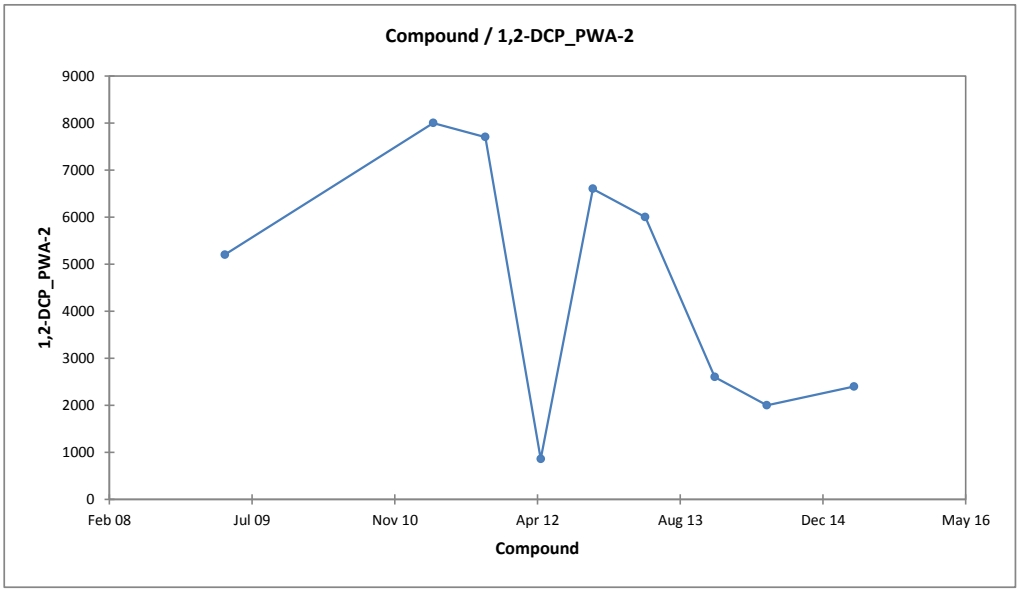


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,3-DCP_PWA-2):

Kendall's tau	-0.686
S	-24.000
Var(S)	90.000
p-value (Two-tailed)	0.015
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 1.53%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-1.303
Confidence interval:	] -1.368 , -1.150 [

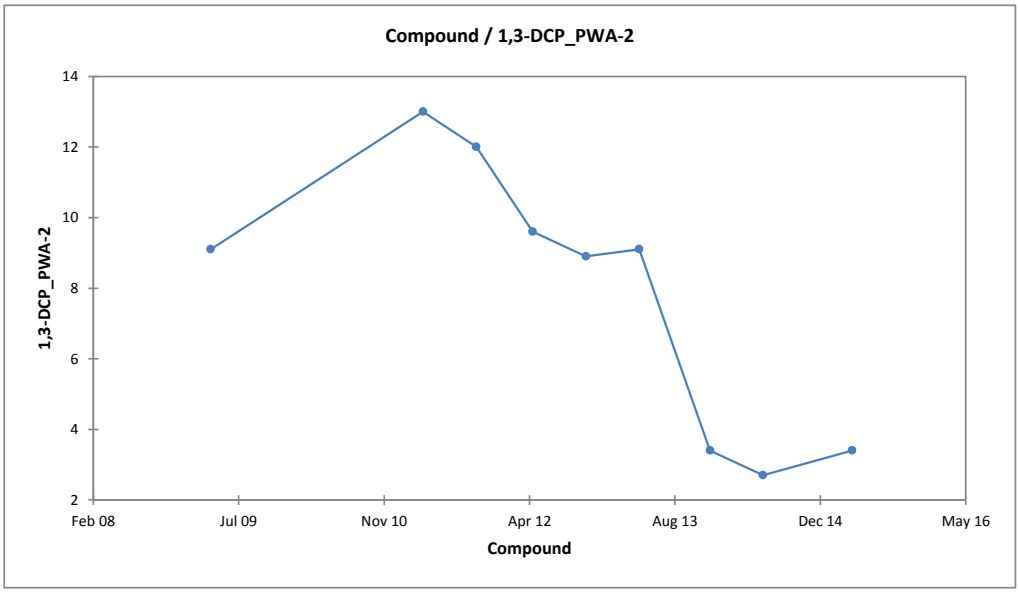


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWA-2):

Kendall's tau	-0.435
S	-15.000
Var(S)	88.333
p-value (Two-tailed)	0.136
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 13.63%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-79.167
Confidence interval:	] -102.250 , -55.744 [

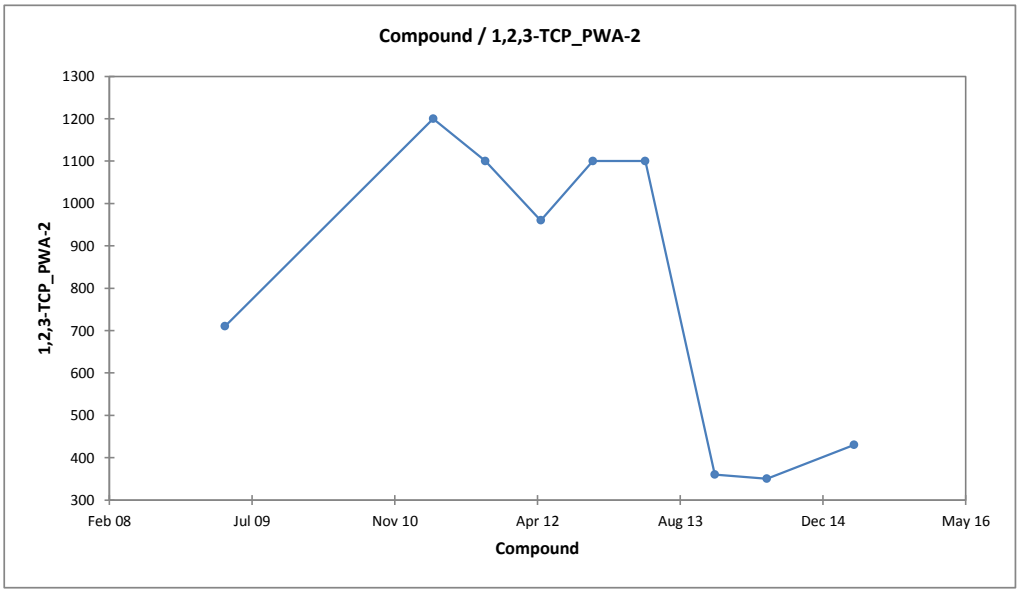


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (DBCP_PWA-2):

Kendall's tau	-0.254
S	-9.000
Var(S)	91.000
p-value (Two-tailed)	0.402
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 40.17%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-19.167
Confidence interval:	] -21.071 , -17.351 [

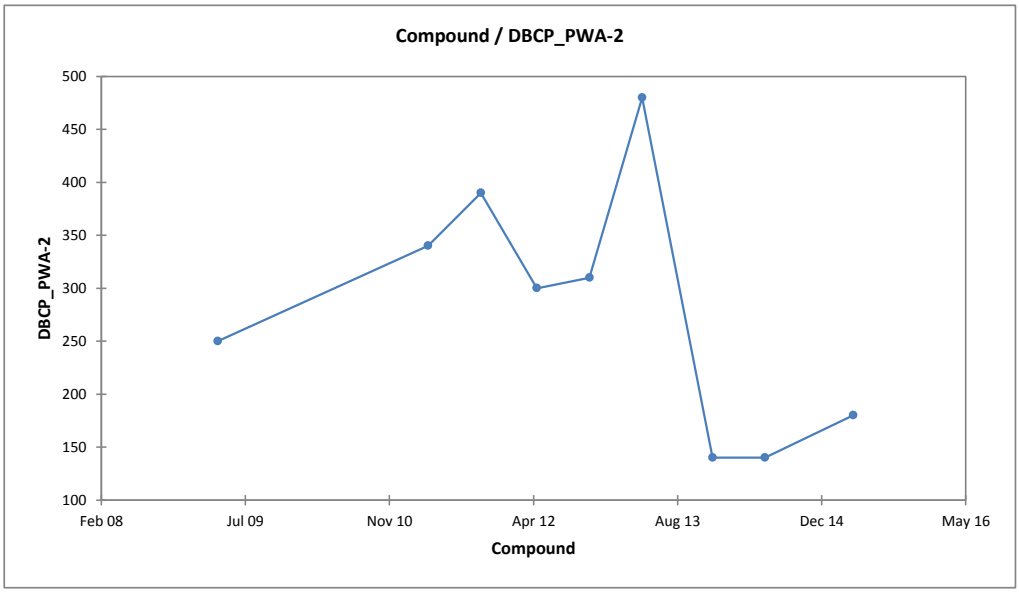


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (Dinoseb_PWA-2):

Kendall's tau	-0.056
S	-2.000
Var(S)	91.000
p-value (Two-tailed)	0.919
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 91.95%.

Sen's slope:	-155
Confidence interval:	] -162.500 , -18.750 [

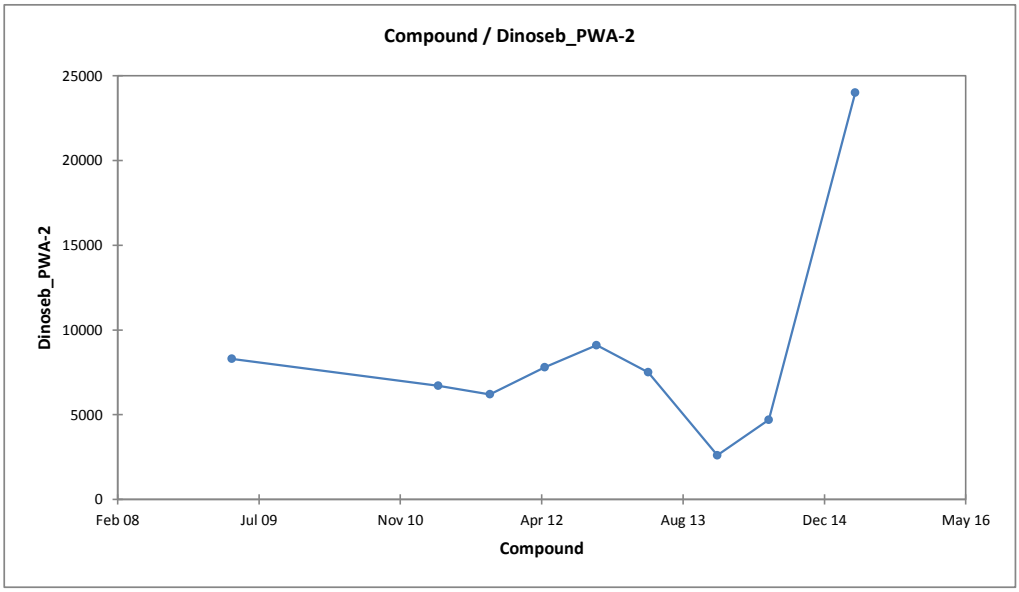


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (EDB_PWA-2):

Kendall's tau	-0.704
S	-25.000
Var(S)	91.000
p-value (Two-tailed)	0.012
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 1.19%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-12.521
Confidence interval:	] -13.109 , -11.729 [

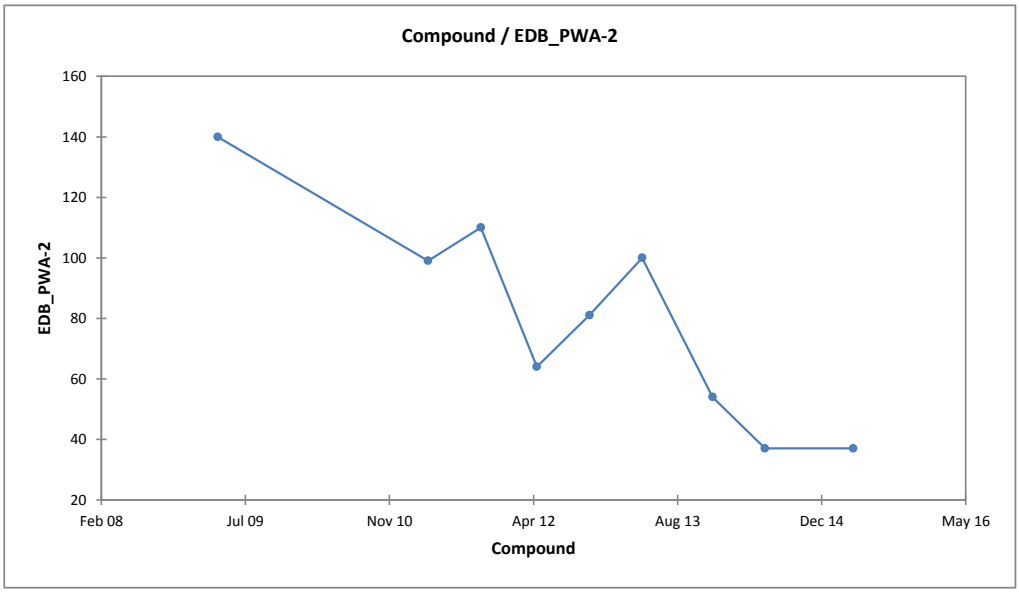


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWA-3):

Kendall's tau	0.085
S	3.000
Var(S)	91.000
p-value (Two-tailed)	0.834
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 83.39%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.003
Confidence interval:	] 0.001, 0.006 [

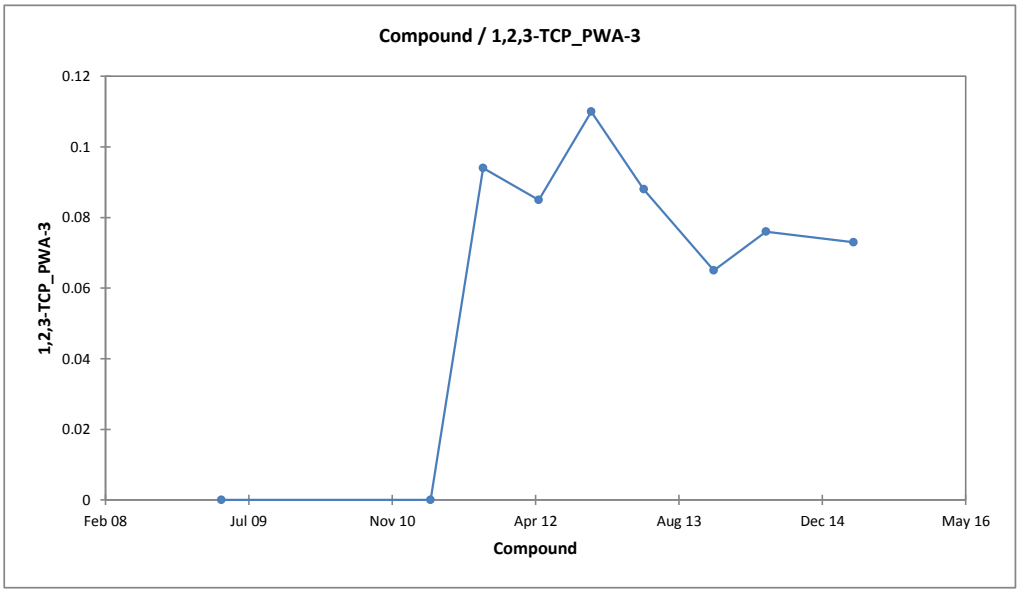


Table F-3
Groundwater Constituent Statistics
A-Zone
2009 - 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWA-7A):

Kendall's tau	-0.182
S	-5.000
Var(S)	64.333
p-value (Two-tailed)	0.618
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series

As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 61.80%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.006
Confidence interval:	] -0.008 , -0.005 [

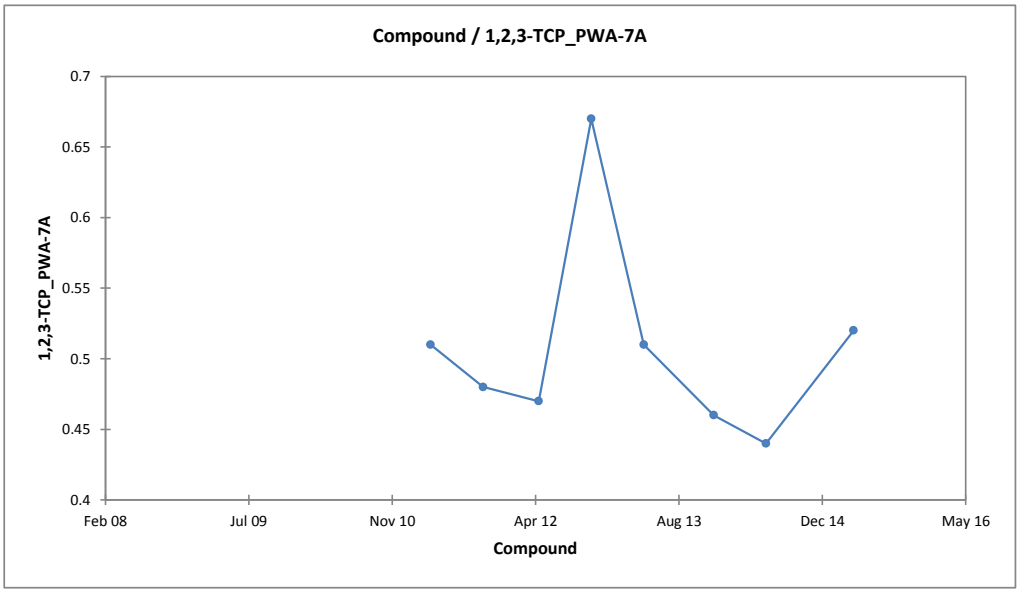


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

XLSTAT 2015.4.01.21575 - Mann-Kendall trend tests - on 9/22/2015 at 5:21:40 PM
Time series: Workbook = B-Zone Contaminant trends_Post 09.xlsm / Sheet = B-Zone Data Trimmed / Range = 'B-Zone Data Trimmed'!$B$2:$CD$12 / 10 rows and 81 columns

Date data: Workbook = B-Zone Contaminant trends_Post 09.xlsm / Sheet = B-Zone Data Trimmed / Range = 'B-Zone Data Trimmed'!$A$2:$A$12 / 10 rows and 1 column

Confidence interval (%): 5
Confidence interval (%)(Sen's slope): 5

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-14)

Summary statistics:

Variable	Observations	Obs. with missing data	Obs. without missing data	Minimum	Maximum	Mean	Std. deviation	Page
1,2,3-TCP_AR-1	10	1	9	0.054	0.650	0.172	0.184	3
1,2,3-TCP_AMW-3R	10	1	9	0.190	0.300	0.226	0.032	4
1,2-DCP_AMW-4R	10	1	9	0.370	5.500	1.317	1.699	5
1,2,3-TCP_AMW-4R	10	1	9	0.230	0.550	0.381	0.088	6
1,2-DCP_WB2-1	10	0	10	0.490	1700.000	345.577	599.840	7
1,2,3-TCP_WB2-1	10	0	10	0.840	190.000	45.974	75.745	8
Dinoseb_WB2-1	10	0	10	0.200	32.000	7.790	12.551	9
1,2-DCP_WB2-2	10	1	9	0.670	11.000	3.209	4.174	10
1,2,3-TCP_WB2-2	10	1	9	2.300	40.000	13.467	14.136	11
DBCP_WB2-2	10	1	9	0.067	3.100	0.746	0.983	12
Dinoseb_WB2-2	10	1	9	0.120	12.000	2.436	3.811	13
1,2,3-TCP_WB2-3	10	1	9	0.075	1.100	0.462	0.315	14
1,2-DCP_WB2-4	10	1	9	1.400	1.800	1.589	0.154	15
1,2,3-TCP_WB2-4	10	1	9	0.067	0.100	0.080	0.012	16
1,2,3-TCP_PWB-1	10	1	9	0.110	0.350	0.178	0.082	17
1,2-DCP_PWB-2	10	1	9	1.100	21.000	9.189	8.274	18
1,2,3-TCP_PWB-2	10	1	9	0.044	2.100	0.675	0.704	19
1,2,3-TCP_PWB-3	10	1	9	0.085	0.340	0.242	0.068	20
1,2-DCP_PWB-4	10	1	9	2.600	16.000	5.889	5.209	21
1,2,3-TCP_PWB-4	10	1	9	12.000	70.000	24.000	20.688	22
DBCP_PWB-4	10	1	9	0.210	4.100	0.813	1.279	23
Dinoseb_PWB-4	10	1	9	0.290	9.000	2.538	3.295	24
1,2,3-TCP_PWB-5	10	2	8	2.500	20.000	12.775	5.274	25
DBCP_PWB-5	10	2	8	0.310	1.500	0.579	0.391	26
Dinoseb_PWB-5	10	2	8	0.370	7.000	1.884	2.154	27
1,2,3-TCP_PWB-6	10	1	9	0.003	0.580	0.067	0.192	28
1,2-DCP_PWB-7A	10	1	9	0.200	24.000	11.400	7.211	29
1,2,3-TCP_PWB-7A	10	1	9	26.000	82.000	51.000	19.602	30
DBCP_PWB-7A	10	1	9	0.092	31.000	5.454	10.269	31
Dinoseb_PWB-7A	10	1	9	0.200	51.000	14.311	15.485	32
1,2,3-TCP_PWB-8	10	1	9	0.003	13.000	6.823	3.956	33
DBCP_PWB-8.	10	1	9	0.020	0.720	0.387	0.243	34

1,2,3-TCP_PWB-9	10	1	9	0.003	4.700	2.411	1.317	35
DBCP_PWB-9	10	1	9	0.020	0.620	0.094	0.197	36
1,2,3-TCP_PWB-10	10	1	9	0.230	1.600	0.538	0.411	37
DBCP_PWB-10	10	1	9	0.020	0.180	0.043	0.052	38
1,2,3-TCP_PWB-11	10	1	9	2.700	4.100	3.511	0.473	39
1,2-DCP_PWB-12	10	1	9	4.000	5.400	4.789	0.483	40
1,2,3-TCP_PWB-12	10	1	9	14.000	22.000	18.556	2.404	41
DBCP_PWB-12	10	1	9	2.100	3.600	2.967	0.447	42
1,2-DCP_PWB-13A	10	1	9	8.400	23.000	13.700	4.878	43
1,2,3-TCP_PWB-13A	10	1	9	7.900	15.000	10.900	3.215	44
DBCP_PWB-13A	10	1	9	0.020	3.200	1.041	0.948	45
1,2-DCP_PWB-14	10	1	9	13.000	29.000	18.333	4.743	46
1,2,3-TCP_PWB-14	10	1	9	2.500	5.900	3.311	1.064	47
DBCP_PWB-14	10	1	9	0.085	1.100	0.322	0.307	48
1,2-DCP_PWB-15	10	1	9	5.000	8.100	6.456	1.032	49
1,2,3-TCP_PWB-15	10	1	9	0.270	1.400	0.861	0.460	50
DBCP_PWB-15	10	1	9	0.020	0.560	0.133	0.170	51
1,2-DCP_PWB-16	10	1	9	7.400	10.000	8.700	0.860	52
1,2,3-TCP_PWB-16	10	1	9	2.500	3.900	3.144	0.541	53
1,2,3-TCP_BBW-1	10	4	6	0.320	1.400	0.560	0.416	54
1,2-DCP_BBW-2	10	4	6	0.670	1.100	0.897	0.169	55
1,2,3-TCP_BBW-2	10	4	6	0.044	2.000	0.967	0.631	56
DBCP_BBW-2	10	4	6	0.020	0.050	0.025	0.012	57
1,2,3-TCP_BBW-3	10	4	6	0.008	0.021	0.015	0.005	58

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_AR-1):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

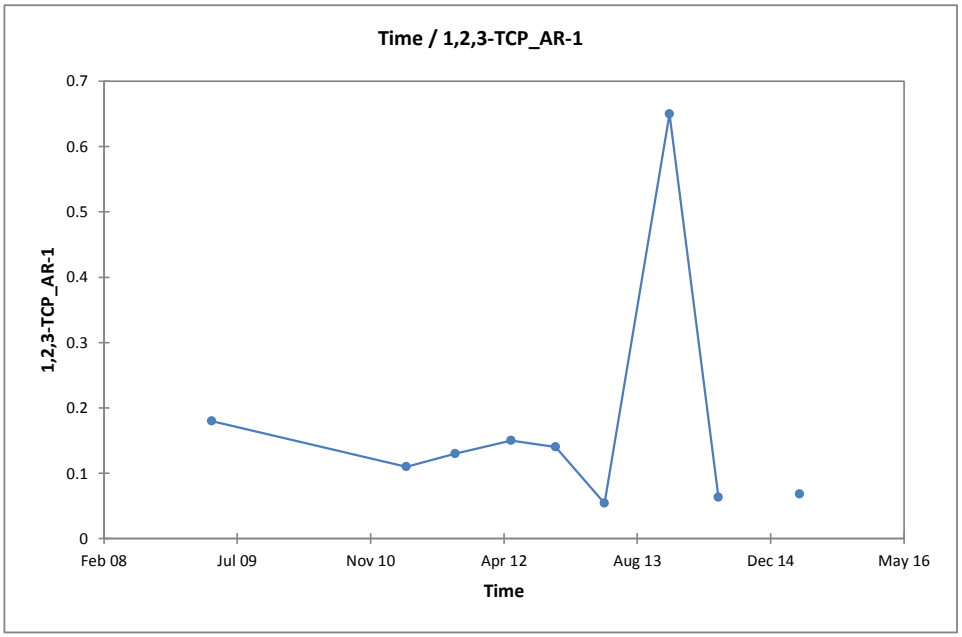
Kendall's tau	-0.222
S	-8.000
Var(S)	0.000
p-value (Two-tailed)	0.477
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 47.67%.

Sen's slope:	-0.01
Confidence interval:	] -0.010 , -0.010 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_AMW-3R):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.171
S	6.000
Var(S)	90.000
p-value (Two-tailed)	0.598
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

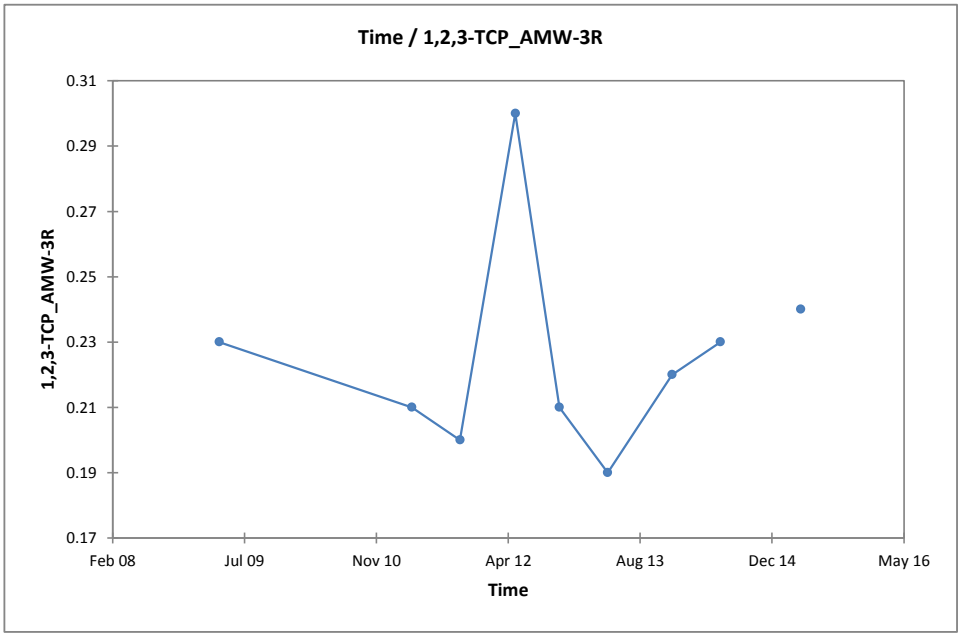
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 59.82%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.003
Confidence interval:	] 0.002, 0.003 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_AMW-4R):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

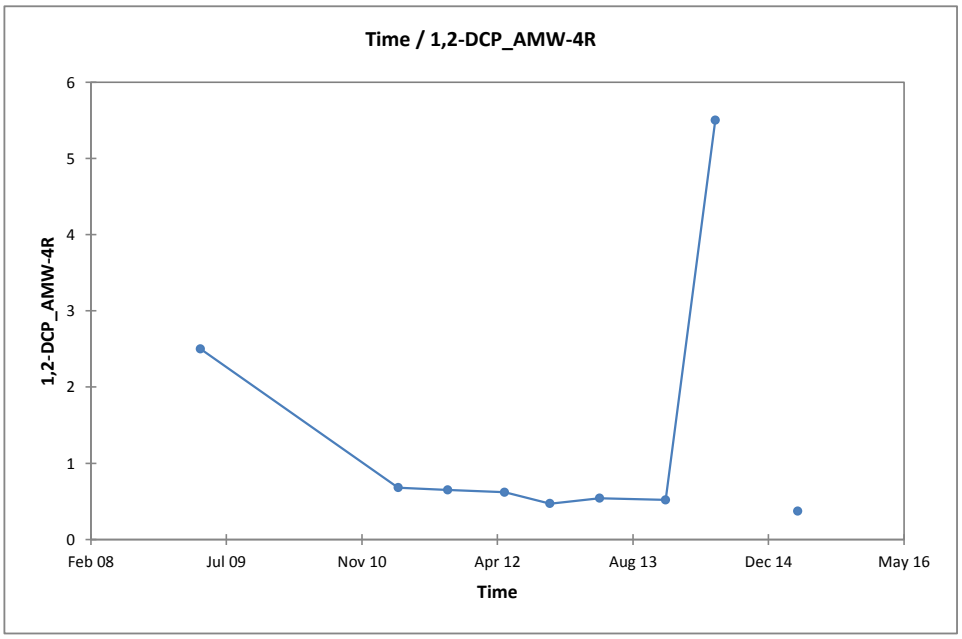
Kendall's tau	-0.500
S	-18.000
Var(S)	90.000
p-value (Two-tailed)	0.075
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 7.52%.

Sen's slope:	-0.036
Confidence interval:	] -0.037 , -0.034 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_AMW-4R):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.197
S	-7.000
Var(S)	91.000
p-value (Two-tailed)	0.529
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

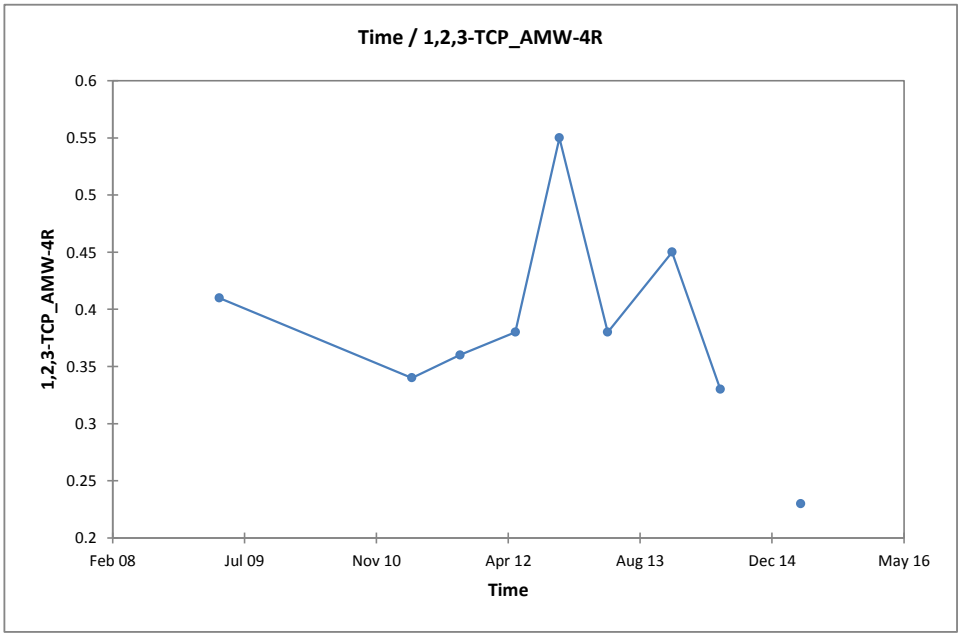
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 52.94%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.008
Confidence interval:	] -0.011 , -0.006 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_WB2-1):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

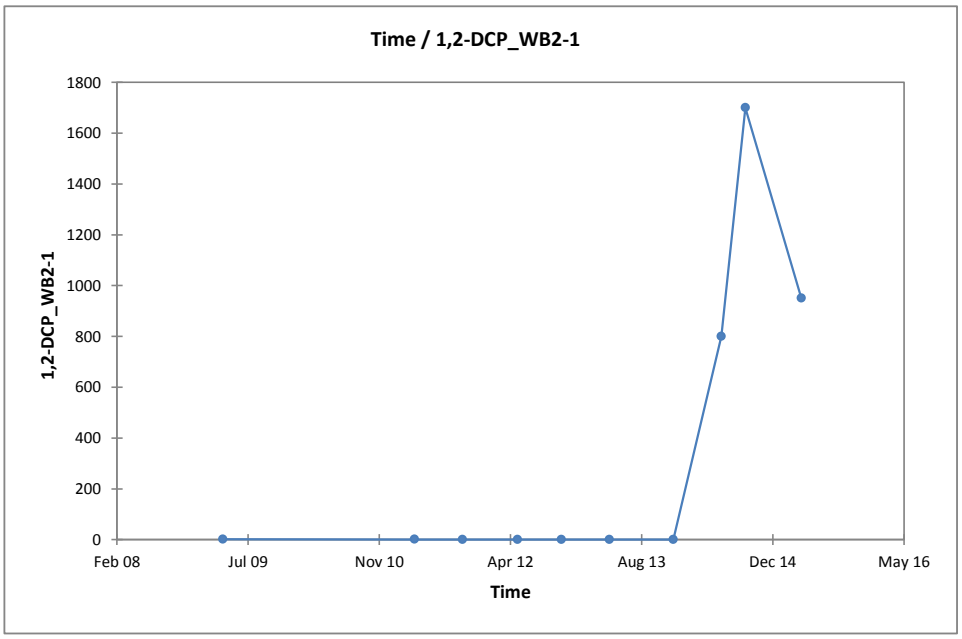
Kendall's tau	0.067
S	3.000
Var(S)	91.000
p-value (Two-tailed)	0.862
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 86.18%.

Sen's slope:	75
Confidence interval:	] 0.035, 106.211 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WB2-1):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.045
S	-2.000
Var(S)	124.000
p-value (Two-tailed)	0.928
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

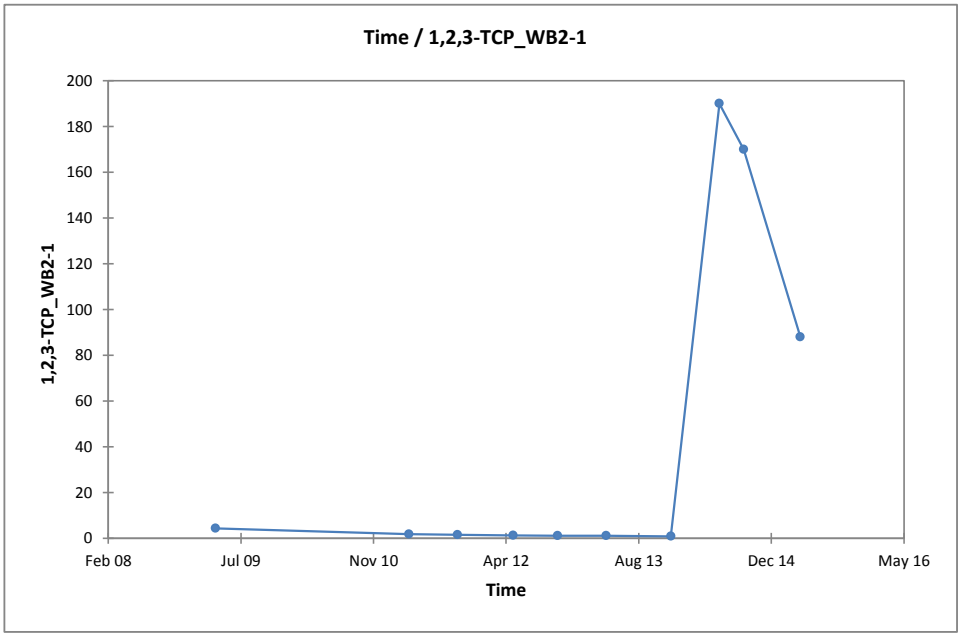
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 92.84%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.05
Confidence interval:	] -0.102 , 0.930 [



Mann-Kendall trend test / Two-tailed test (Dinoseb_WB2-1):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.227
S	9.000
Var(S)	108.333
p-value (Two-tailed)	0.442
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

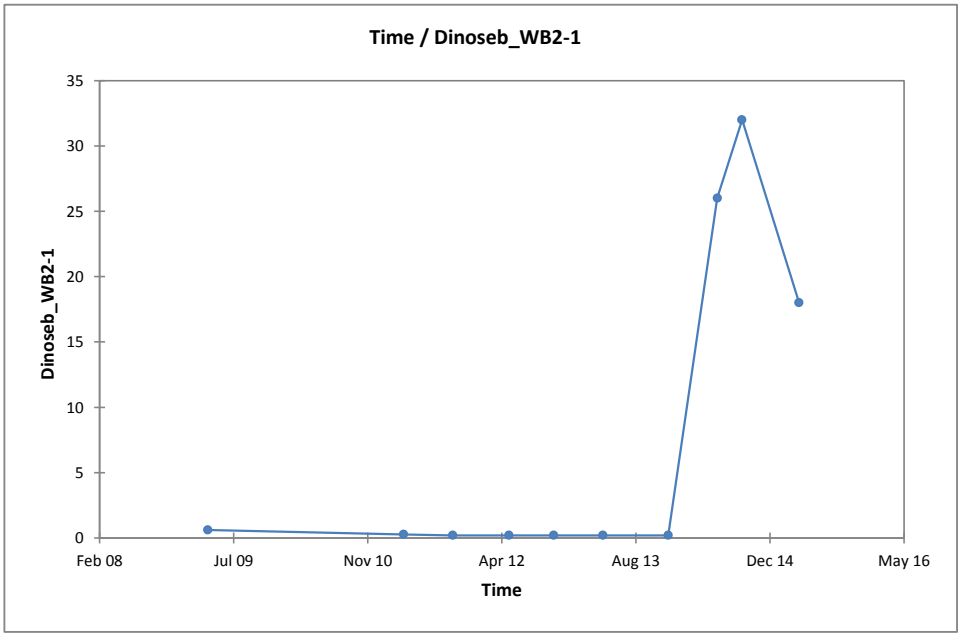
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 44.21%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0
Confidence interval:	] 0.000, 1.960 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_WB2-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

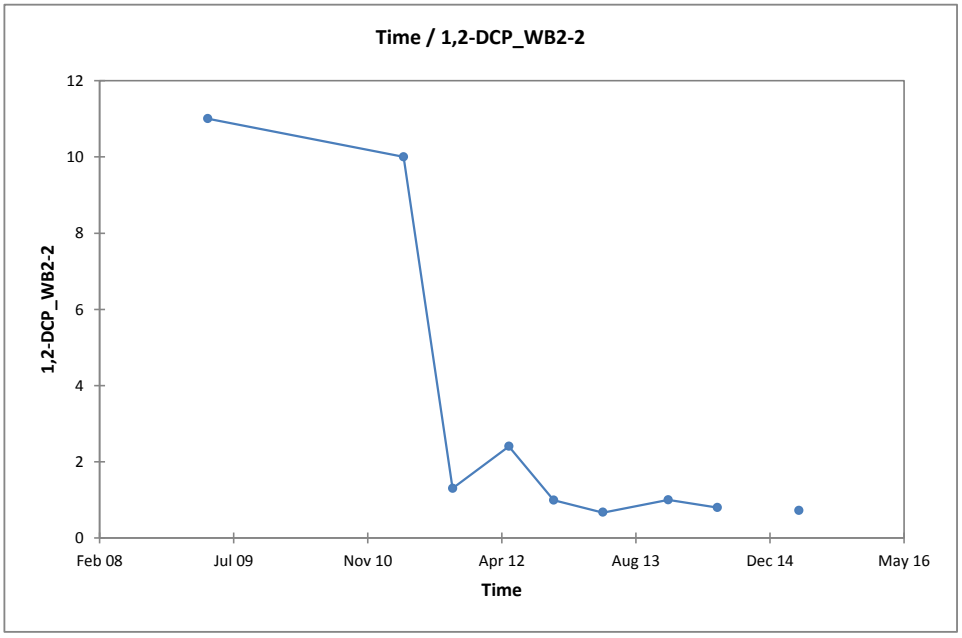
Kendall's tau	-0.722
S	-26.000
Var(S)	108.333
p-value (Two-tailed)	0.006
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.59%.

Sen's slope:	-0.433
Confidence interval:	] -0.616 , -0.370 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WB2-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

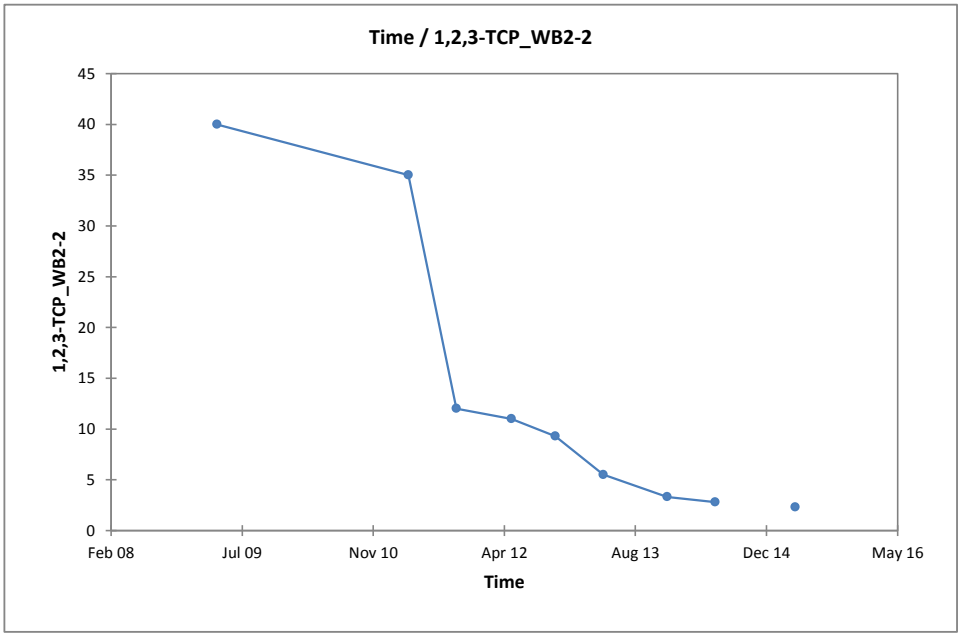
Kendall's tau	-1.000
S	-36.000
Var(S)	108.333
p-value (Two-tailed)	< 0.0001
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.01%.

Sen's slope:	-2.658
Confidence interval:	] -2.844 , -2.429 [



Mann-Kendall trend test / Two-tailed test (DBCP_WB2-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

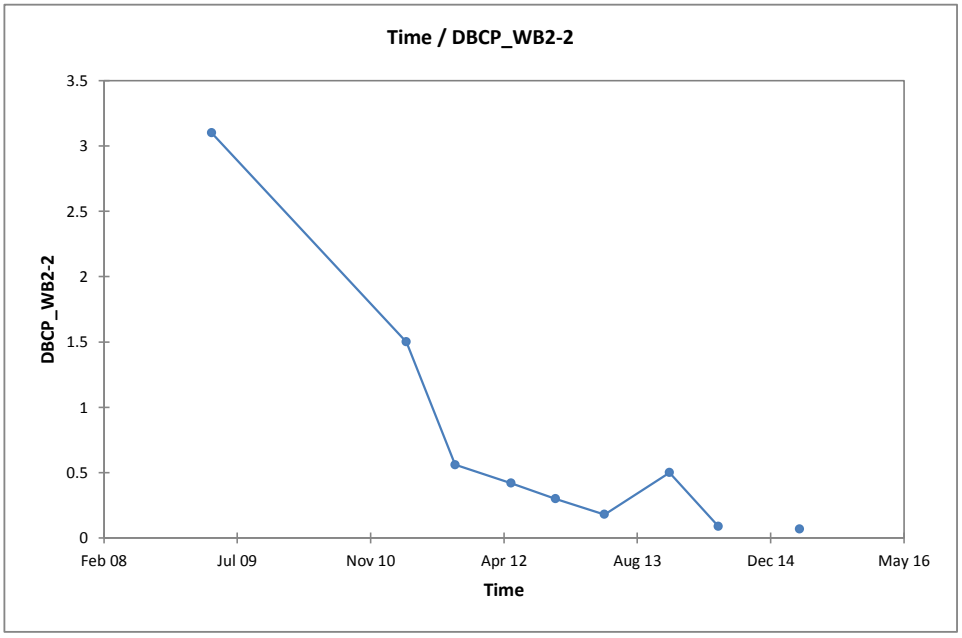
Kendall's tau	-0.833
S	-30.000
Var(S)	108.333
p-value (Two-tailed)	0.001
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.09%.

Sen's slope:	-0.135
Confidence interval:	] -0.142 , -0.129 [



Mann-Kendall trend test / Two-tailed test (Dinoseb_WB2-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.817
S	-29.000
Var(S)	91.000
p-value (Two-tailed)	0.003
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.33%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.444
Confidence interval:	] -0.502 , -0.400 [

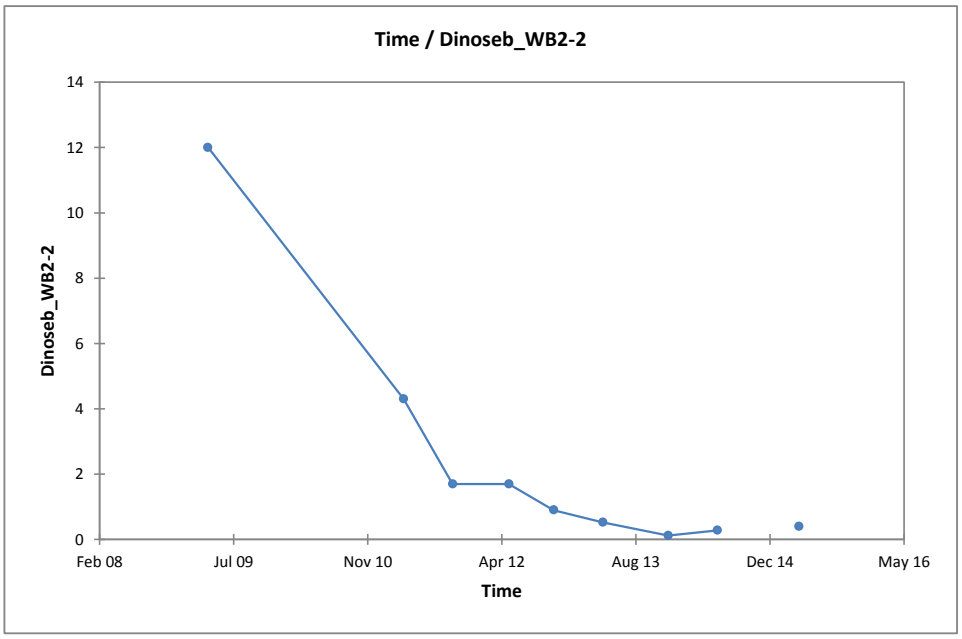


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WB2-3):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

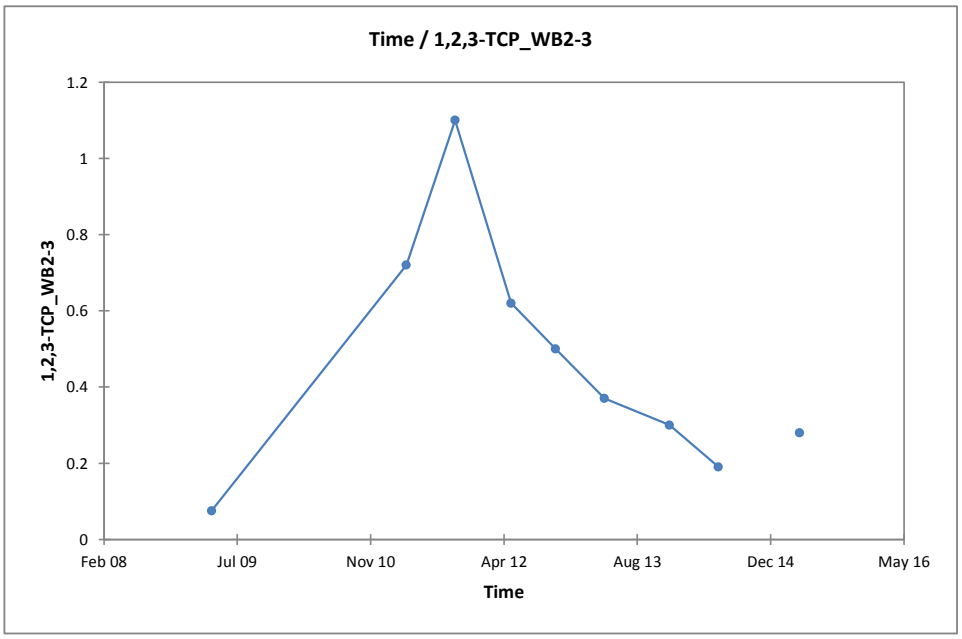
Kendall's tau	-0.444
S	-16.000
Var(S)	91.000
p-value (Two-tailed)	0.119
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 11.94%.

Sen's slope:	-0.079
Confidence interval:	] -0.085 , -0.072 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_WB2-4):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.057
S	2.000
Var(S)	90.000
p-value (Two-tailed)	0.916
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

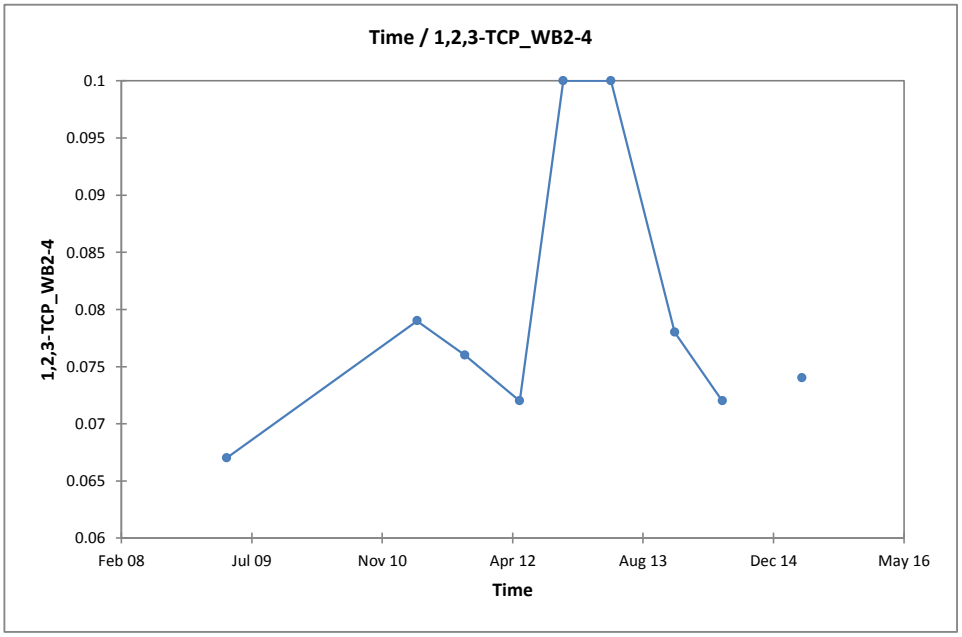
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 91.61%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	1.667E-4
Confidence interval:	] 0.000, 0.000 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-1):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.236
S	-8.000
Var(S)	87.333
p-value (Two-tailed)	0.454
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

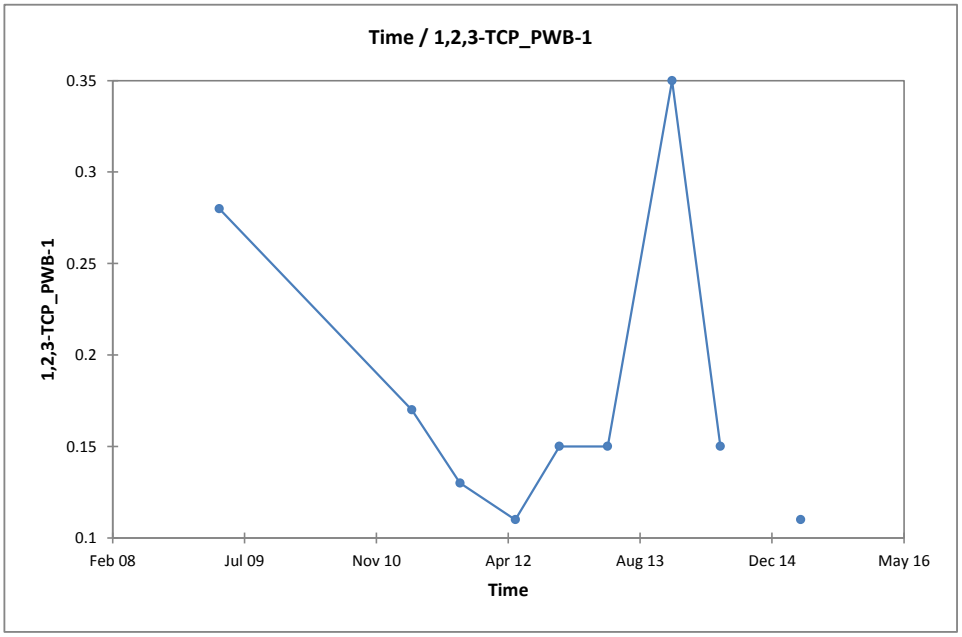
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 45.38%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.004
Confidence interval:	] -0.006 , -0.003 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.873
S	-31.000
Var(S)	91.000
p-value (Two-tailed)	0.002
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.17%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-2.604
Confidence interval:	] -2.700 , -2.531 [

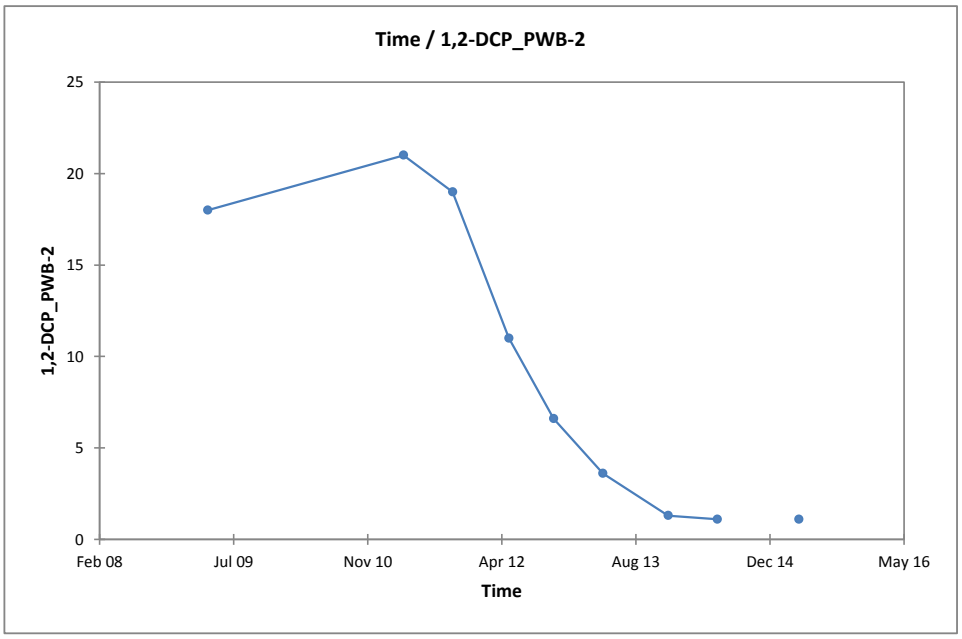


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

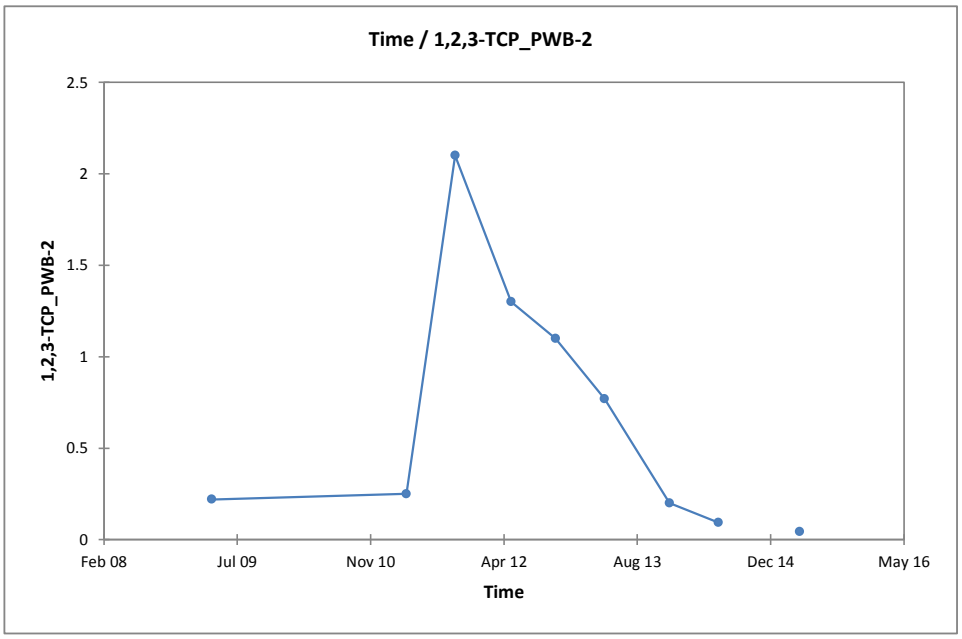
Kendall's tau	-0.500
S	-18.000
Var(S)	91.000
p-value (Two-tailed)	0.075
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 7.52%.

Sen's slope:	-0.144
Confidence interval:	] -0.188 , -0.086 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-3):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

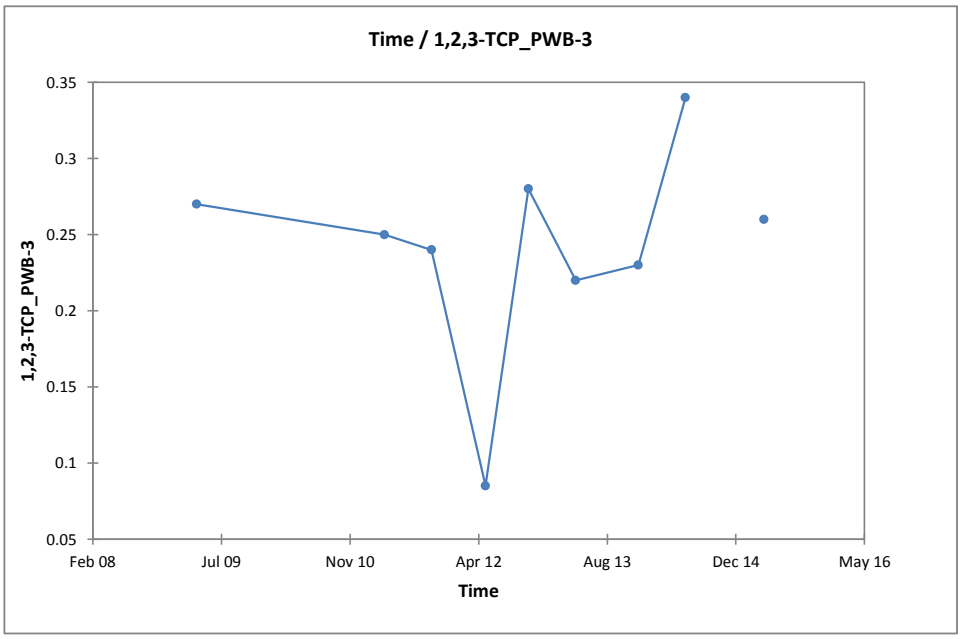
Kendall's tau	0.056
S	2.000
Var(S)	88.333
p-value (Two-tailed)	0.919
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 91.95%.

Sen's slope:	0.002
Confidence interval:	] 0.000, 0.003 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-4):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.479
S	-17.000
Var(S)	91.000
p-value (Two-tailed)	0.093
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

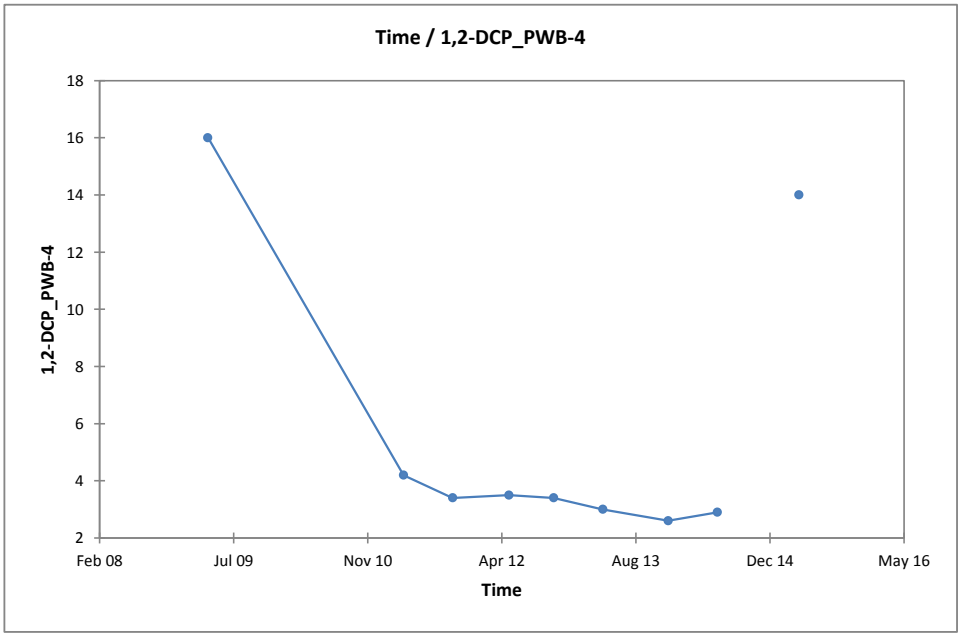
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 9.35%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.219
Confidence interval:	] -0.233 , -0.210 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-4):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.000
S	0.000
Var(S)	87.333
p-value (Two-tailed)	1.000
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

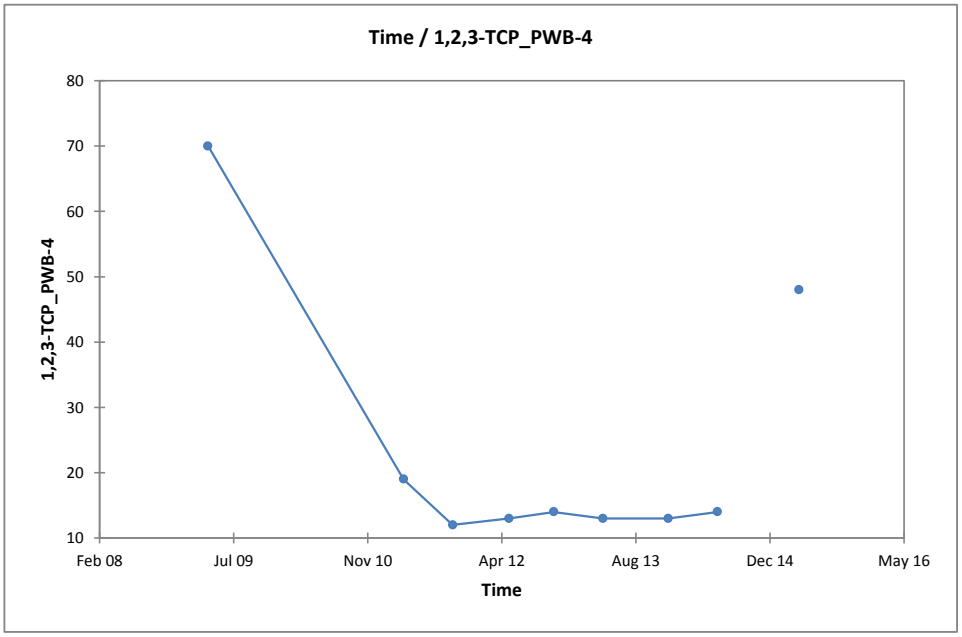
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 100.00%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0
Confidence interval:	] 0.000, 0.000 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-4):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.197
S	-7.000
Var(S)	91.000
p-value (Two-tailed)	0.529
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

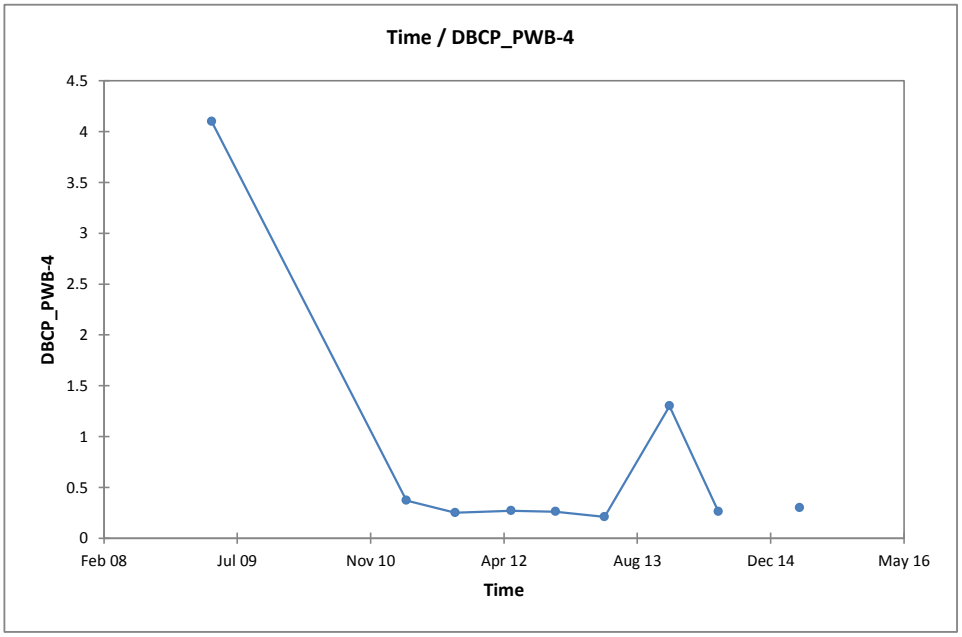
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 52.94%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.012
Confidence interval:	] -0.015 , -0.010 [



Mann-Kendall trend test / Two-tailed test (Dinoseb_PWB-4):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

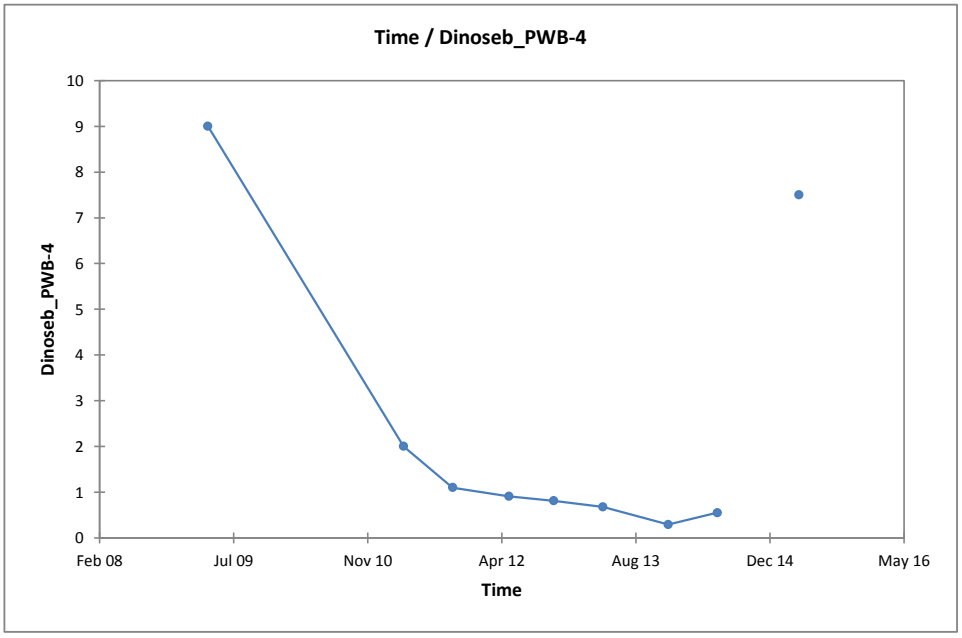
Kendall's tau	-0.556
S	-20.000
Var(S)	91.000
p-value (Two-tailed)	0.045
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 4.46%.

Sen's slope:	-0.178
Confidence interval:	] -0.195 , -0.159 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-5):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

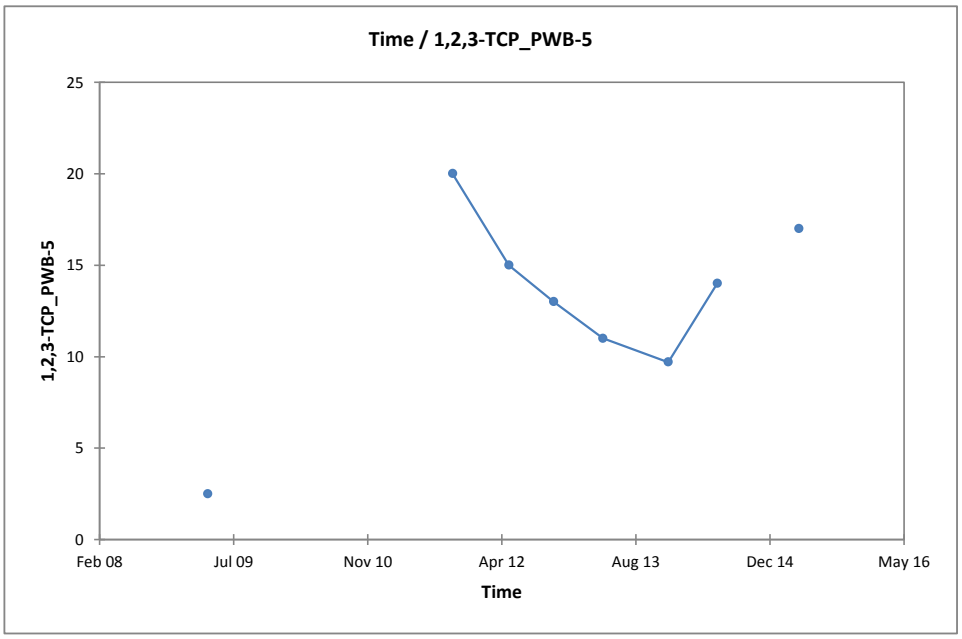
Kendall's tau	0.071
S	2.000
Var(S)	91.000
p-value (Two-tailed)	0.905
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 90.49%.

Sen's slope:	0.333
Confidence interval:	] 0.231, 0.415 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-5):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

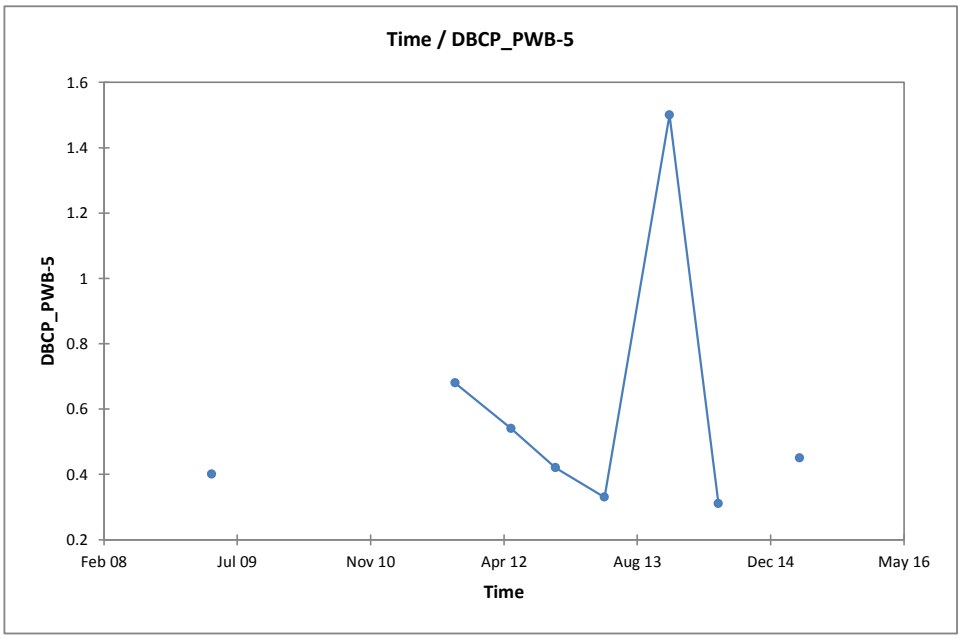
Kendall's tau	-0.143
S	-4.000
Var(S)	91.000
p-value (Two-tailed)	0.720
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 71.95%.

Sen's slope:	-0.013
Confidence interval:	] -0.014 , -0.012 [



Mann-Kendall trend test / Two-tailed test (Dinoseb_PWB-5):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.036
S	-1.000
Var(S)	64.333
p-value (Two-tailed)	1.000
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

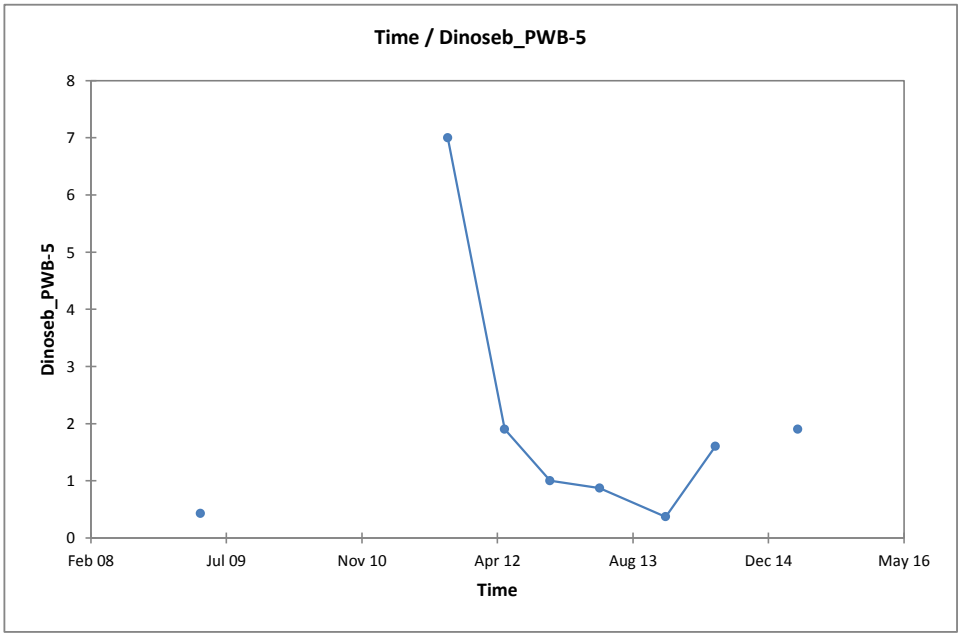
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 100.00%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.005
Confidence interval:	] -0.021 , 0.015 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-6):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.061
S	-2.000
Var(S)	83.333
p-value (Two-tailed)	0.913
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

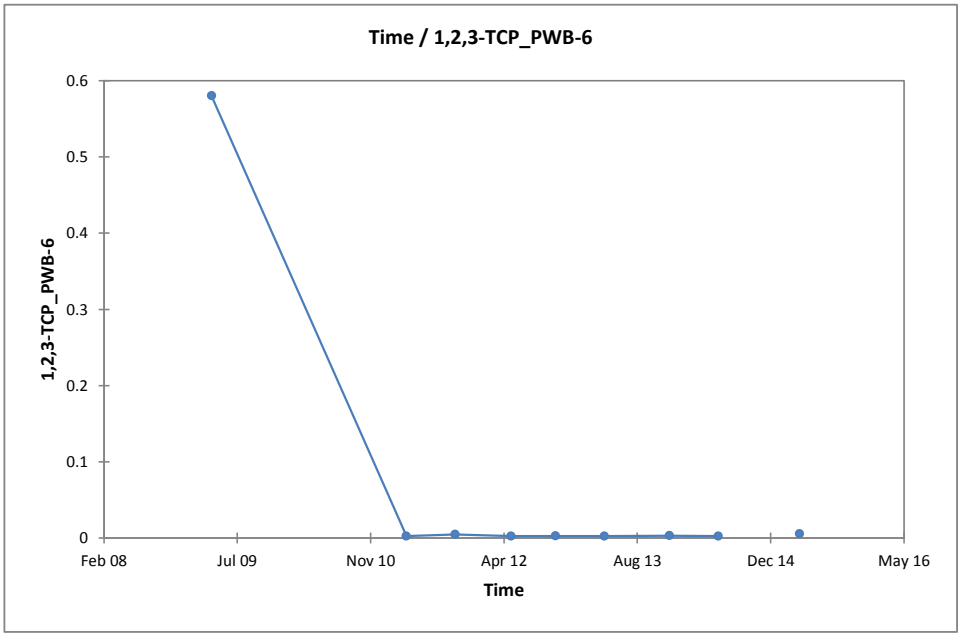
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 91.28%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0
Confidence interval:	] 0.000, 0.000 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-7A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.423
S	15.000
Var(S)	91.000
p-value (Two-tailed)	0.142
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

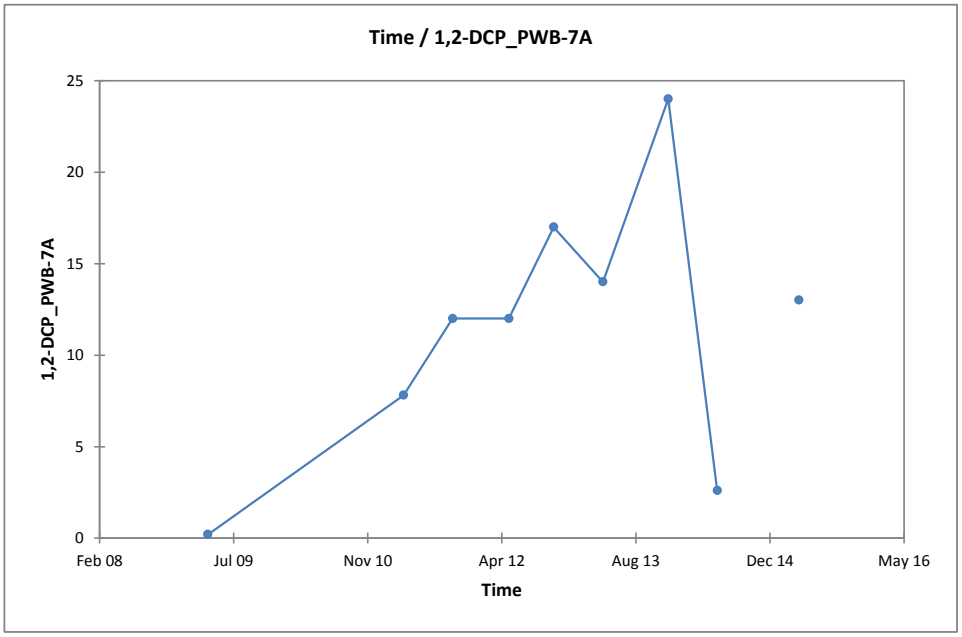
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 14.22%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	1.486
Confidence interval:	] 1.264, 1.756 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-7A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

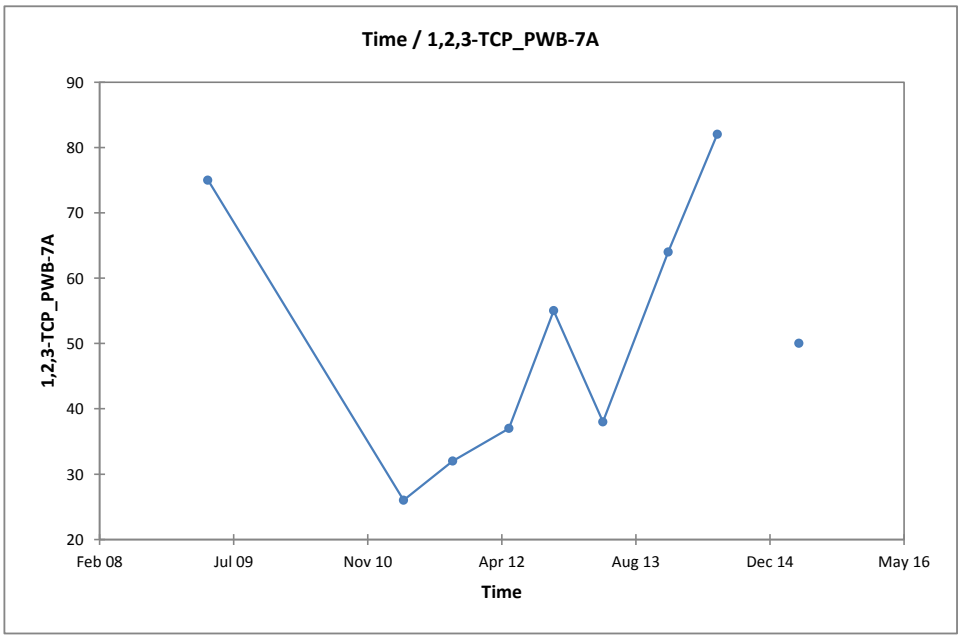
Kendall's tau	0.389
S	14.000
Var(S)	91.000
p-value (Two-tailed)	0.180
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 18.02%.

Sen's slope:	3
Confidence interval:	] 3.000, 3.563 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-7A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.423
S	-15.000
Var(S)	91.000
p-value (Two-tailed)	0.142
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

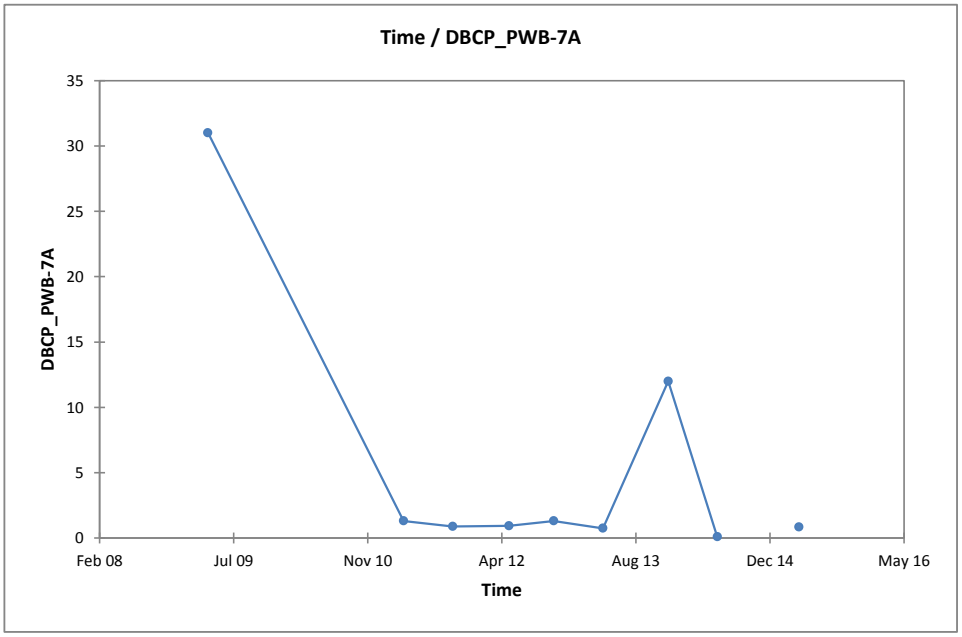
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 14.22%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.15
Confidence interval:	] -0.169 , -0.123 [



Mann-Kendall trend test / Two-tailed test (Dinoseb_PWB-7A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

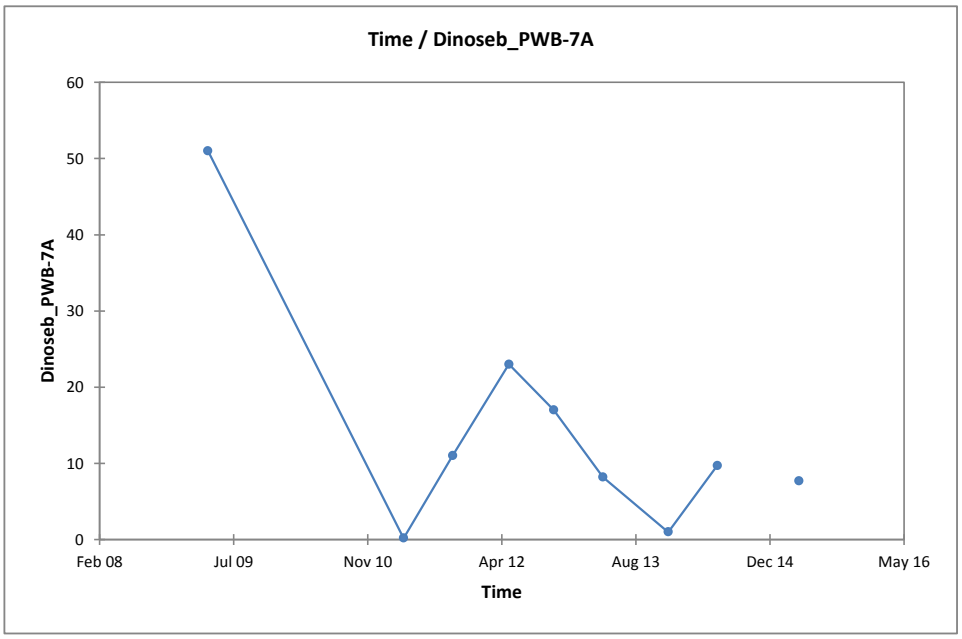
Kendall's tau	-0.333
S	-12.000
Var(S)	91.000
p-value (Two-tailed)	0.260
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 25.95%.

Sen's slope:	-2.147
Confidence interval:	] -2.458 , -1.538 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-8):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

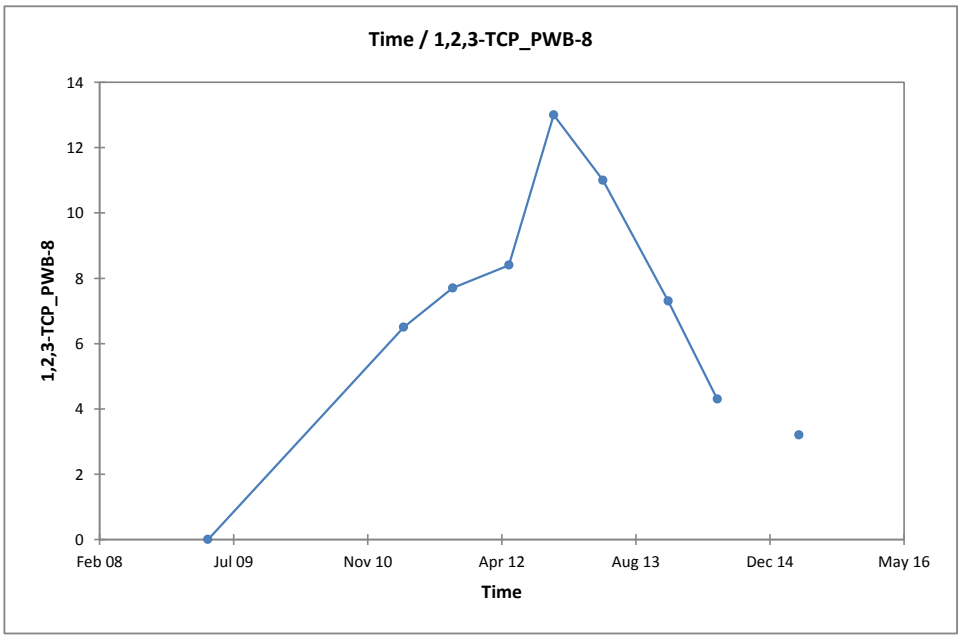
Kendall's tau	0.000
S	0.000
Var(S)	91.000
p-value (Two-tailed)	0.919
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 91.95%.

Sen's slope:	0.03
Confidence interval:	] -0.200 , 0.233 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-8.):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

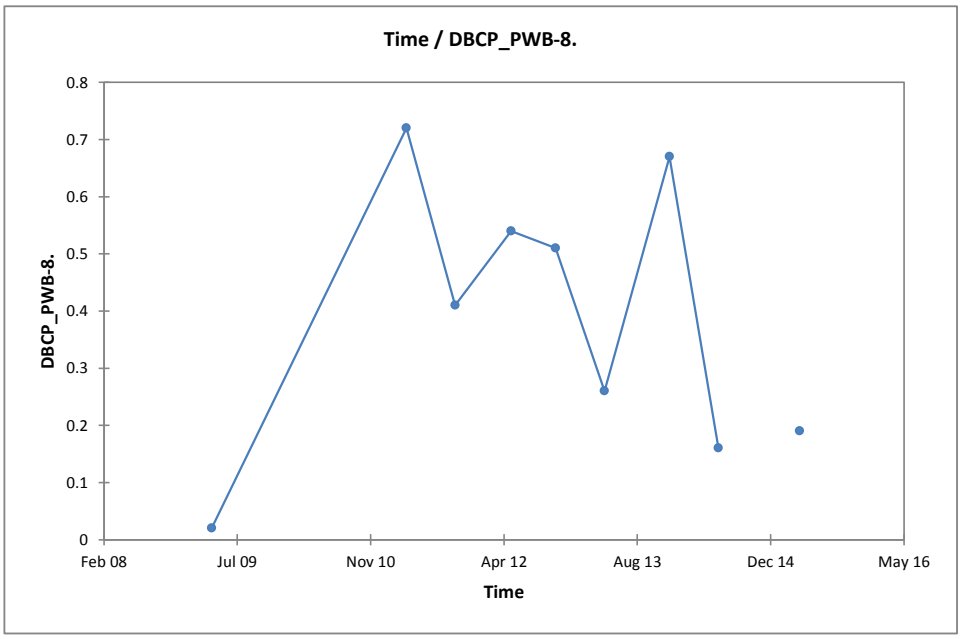
Kendall's tau	-0.167
S	-6.000
Var(S)	91.000
p-value (Two-tailed)	0.612
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 61.22%.

Sen's slope:	-0.031
Confidence interval:	] -0.038 , -0.025 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-9):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.028
S	-1.000
Var(S)	91.000
p-value (Two-tailed)	1.000
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

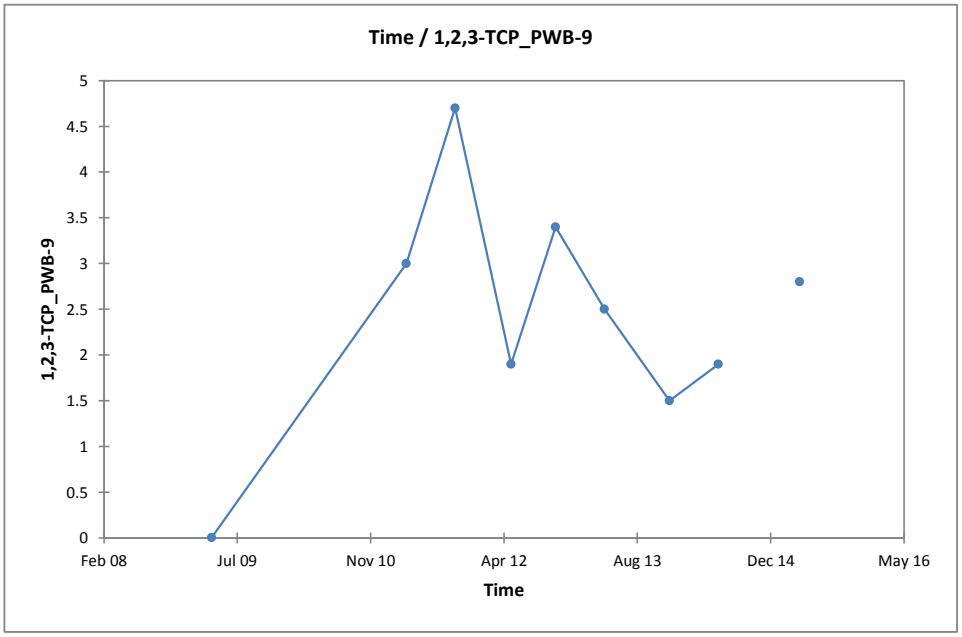
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 100.00%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.013
Confidence interval:	] -0.061 , 0.028 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-9):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.118
S	4.000
Var(S)	87.333
p-value (Two-tailed)	0.748
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

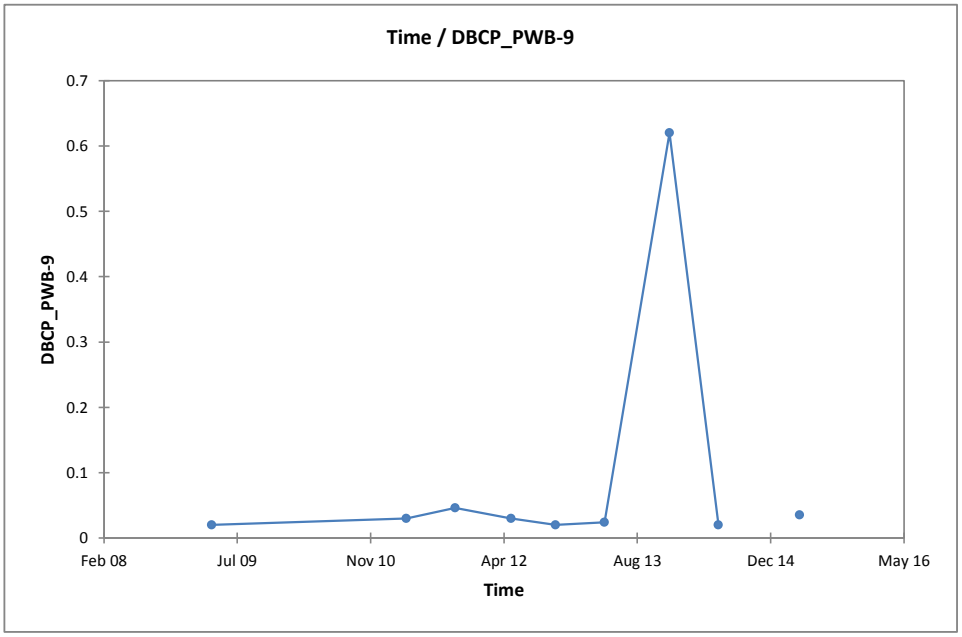
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 74.82%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	3.125E-4
Confidence interval:	] 0.000, 0.001 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-10):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

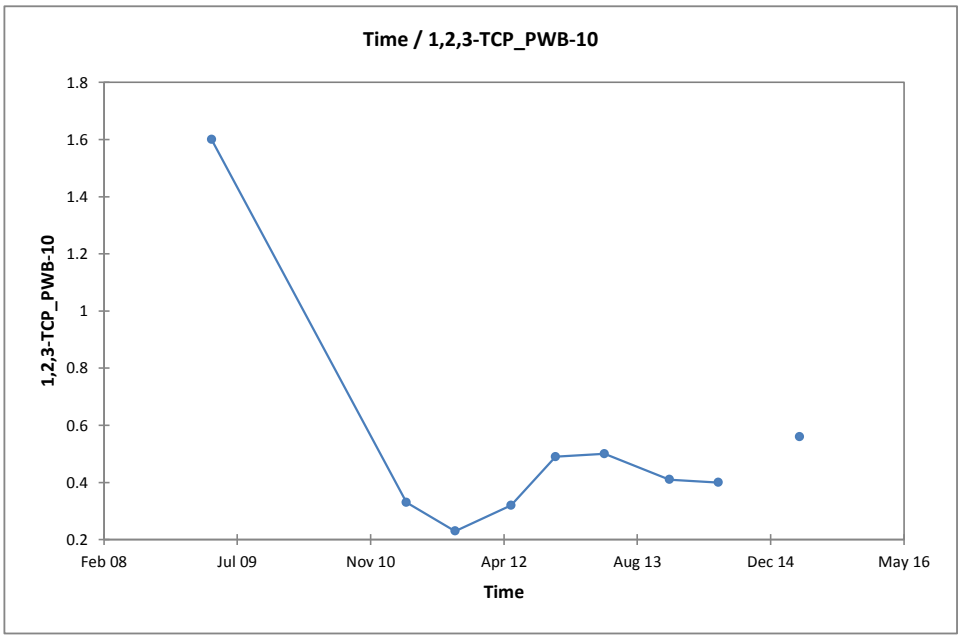
Kendall's tau	0.167
S	6.000
Var(S)	91.000
p-value (Two-tailed)	0.612
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 61.22%.

Sen's slope:	0.015
Confidence interval:	] 0.013, 0.015 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-10):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.392
S	-12.000
Var(S)	75.333
p-value (Two-tailed)	0.205
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

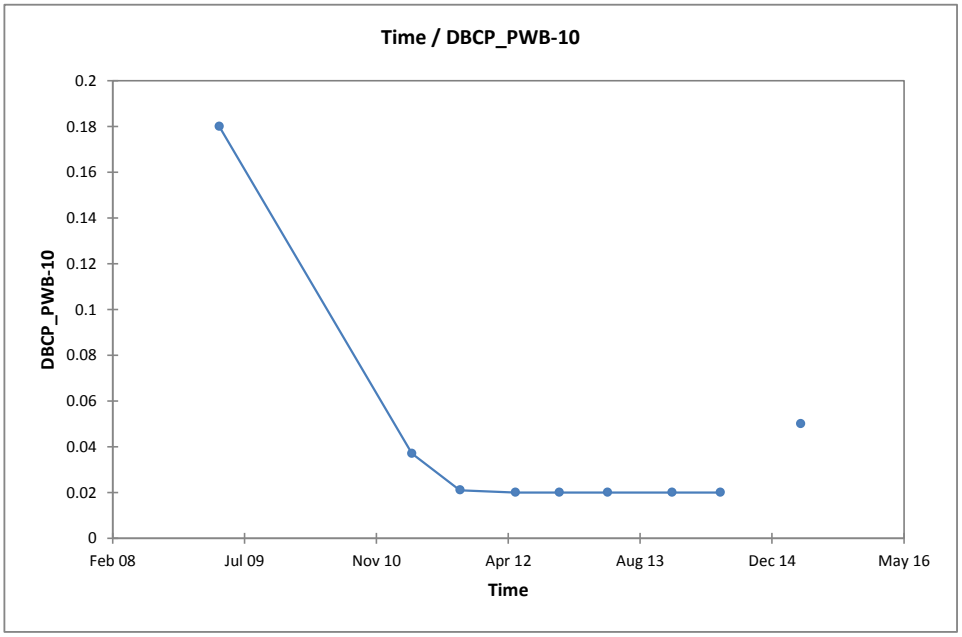
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 20.50%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-2.250E-4
Confidence interval:	] -0.000 , -0.000 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-11):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.141
S	5.000
Var(S)	91.000
p-value (Two-tailed)	0.675
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

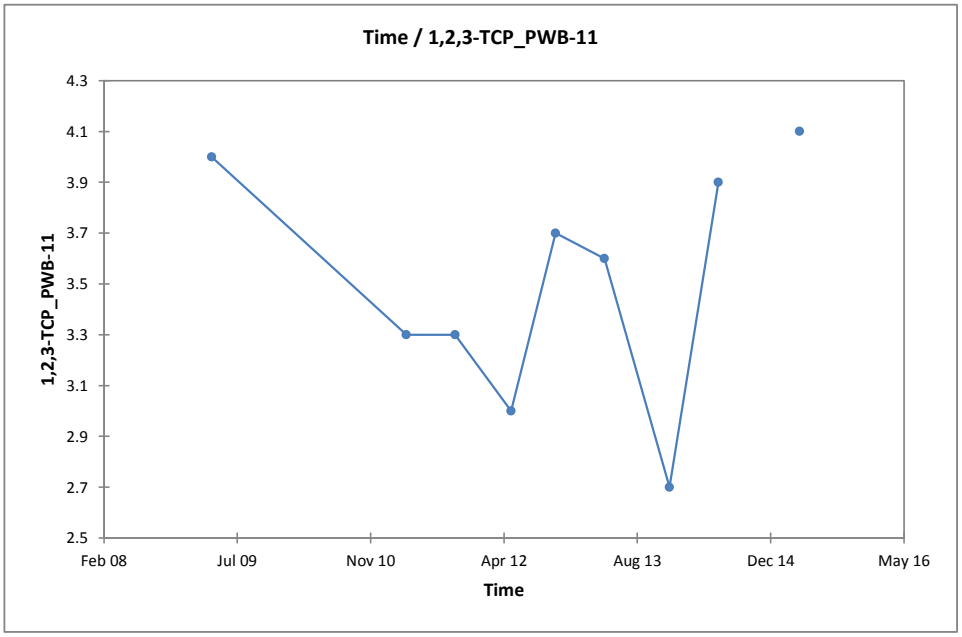
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 67.50%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.071
Confidence interval:	] 0.046, 0.077 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-12):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.197
S	-7.000
Var(S)	91.000
p-value (Two-tailed)	0.529
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

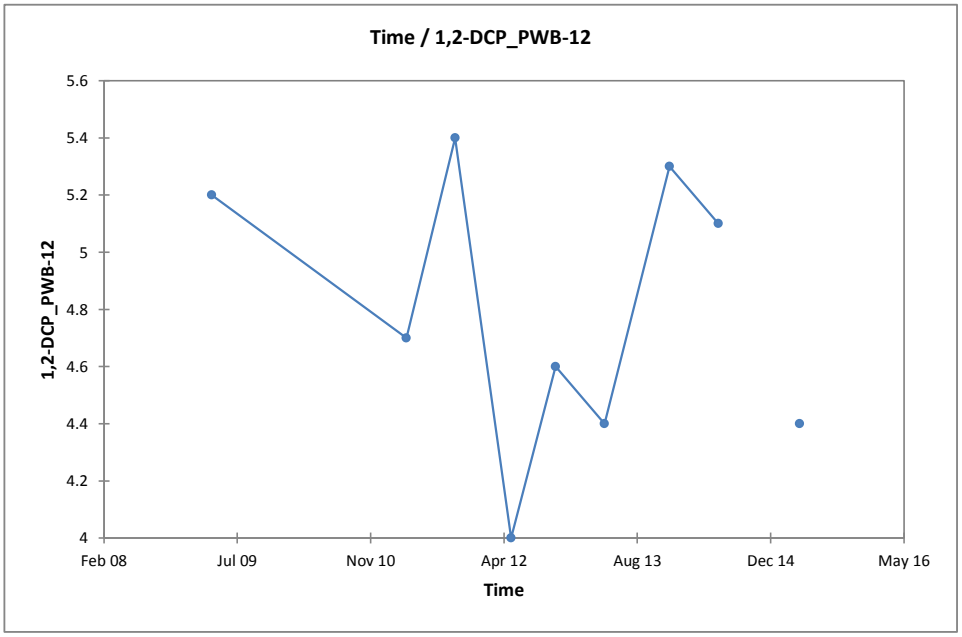
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 52.94%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.035
Confidence interval:	] -0.038 , -0.030 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-12):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.400
S	14.000
Var(S)	90.000
p-value (Two-tailed)	0.171
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

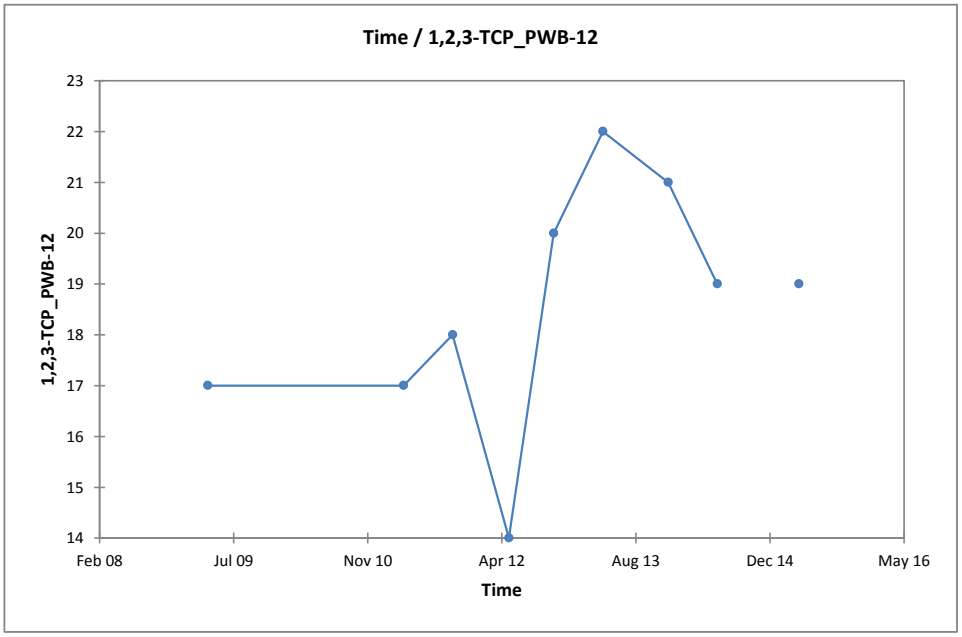
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 17.06%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.417
Confidence interval:	] 0.315, 0.500 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-12):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.479
S	17.000
Var(S)	91.000
p-value (Two-tailed)	0.093
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

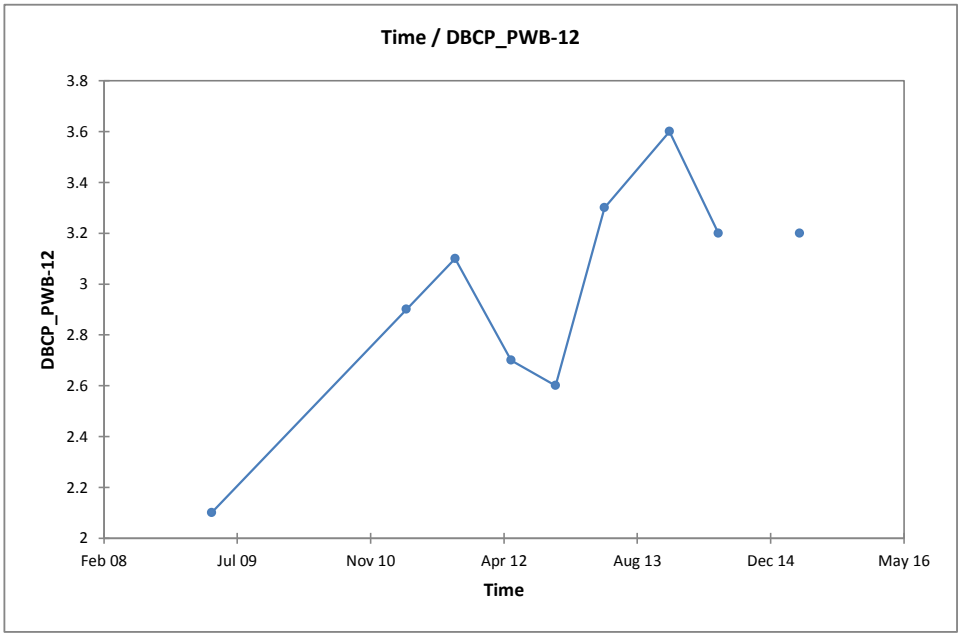
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 9.35%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.121
Confidence interval:	] 0.113, 0.123 [



Mann-Kendall trend test / Two-tailed test (Dinoseb_PWB-12):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.029
S	1.000
Var(S)	88.333
p-value (Two-tailed)	1.000
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

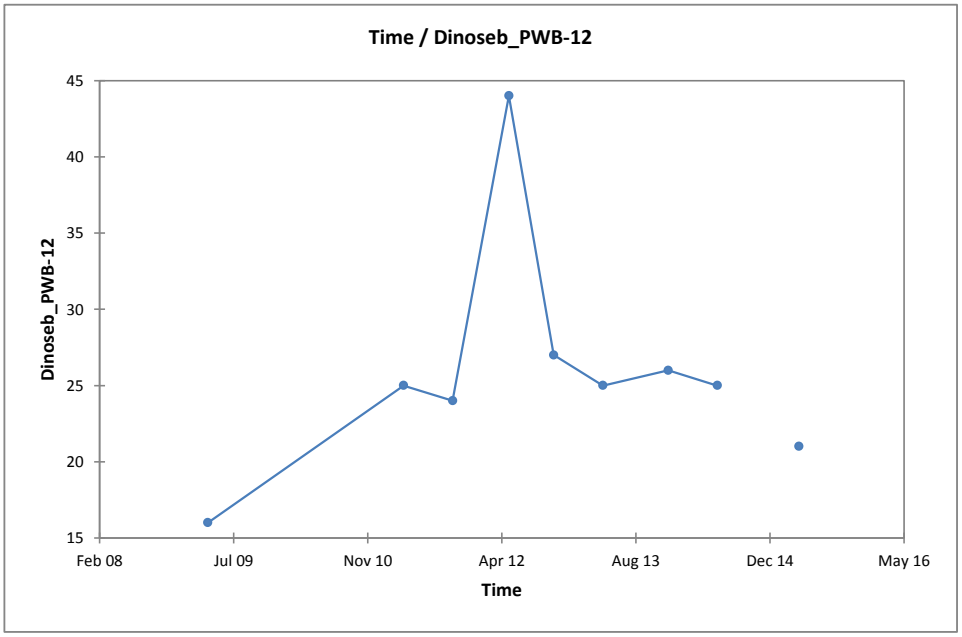
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 100.00%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0
Confidence interval:	] 0.000, 0.075 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-13A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.899
S	-31.000
Var(S)	88.333
p-value (Two-tailed)	0.001
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.14%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-1.66
Confidence interval:	] -1.738 , -1.563 [

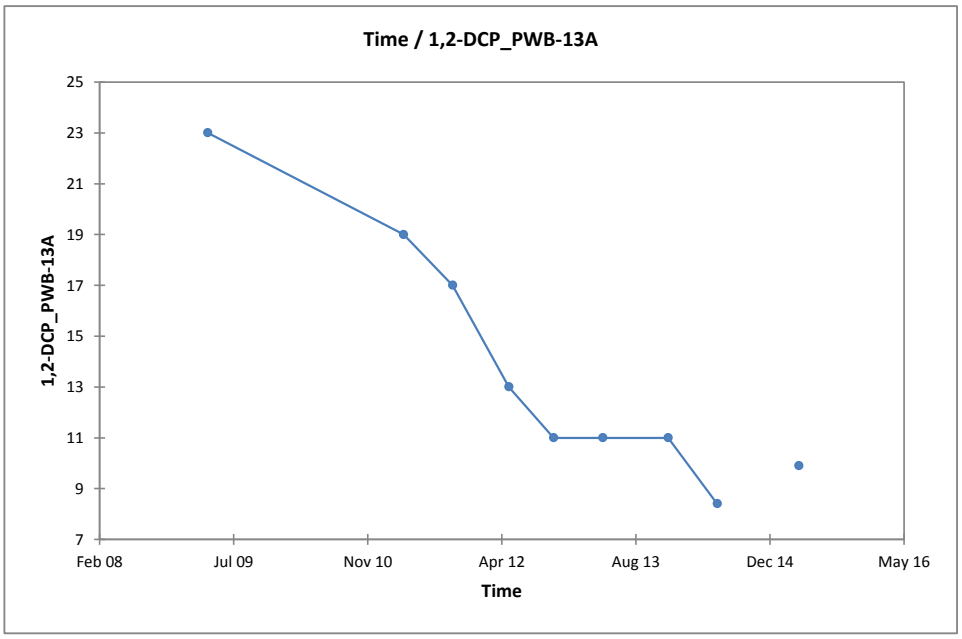


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-13A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.493
S	17.000
Var(S)	88.333
p-value (Two-tailed)	0.089
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

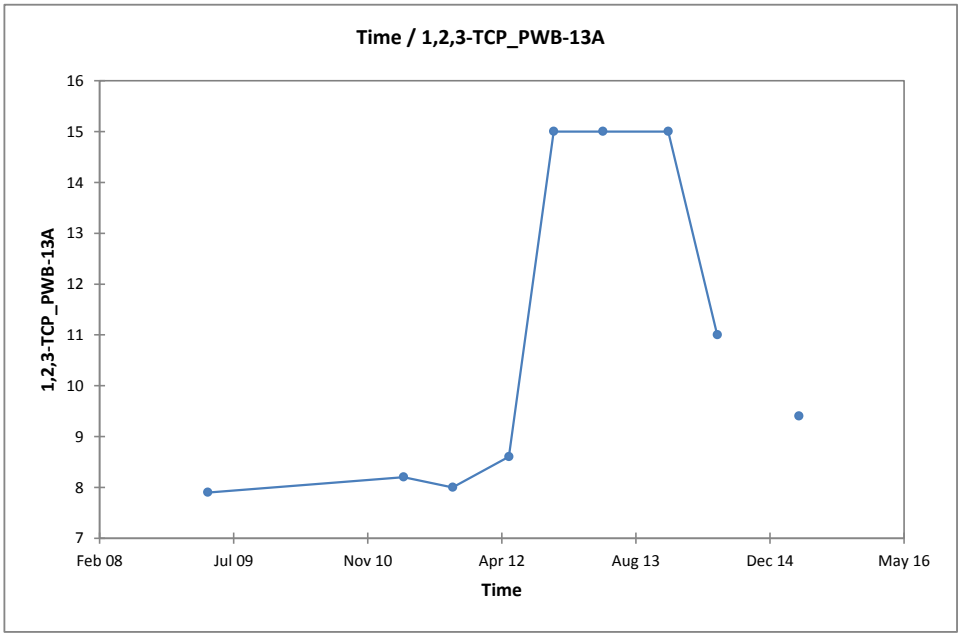
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 8.87%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.267
Confidence interval:	] 0.221, 0.354 [



Mann-Kendall trend test / Two-tailed test (DBCP_PWB-13A):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

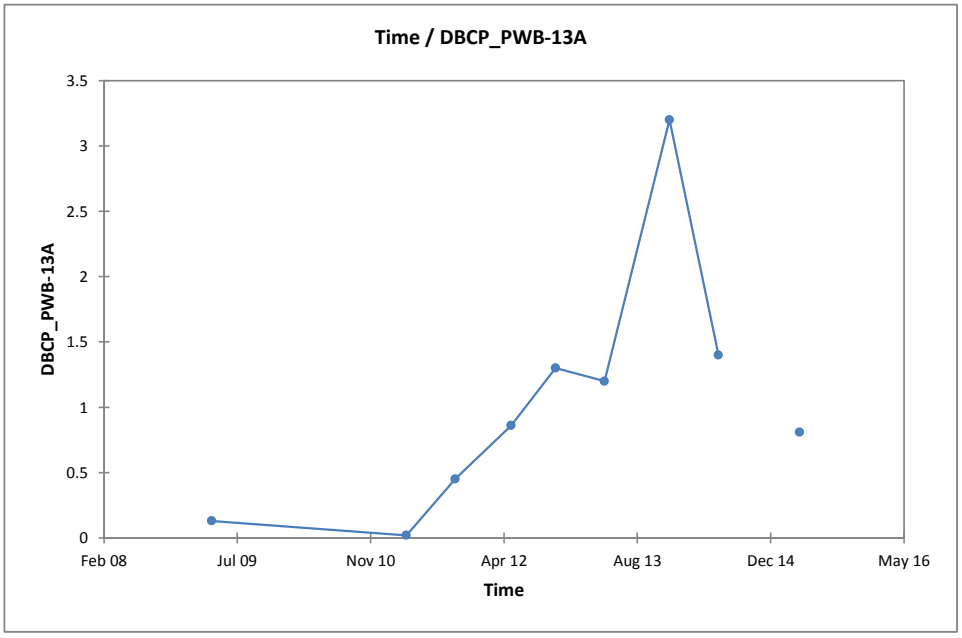
Kendall's tau	0.556
S	20.000
Var(S)	86.333
p-value (Two-tailed)	0.045
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 4.46%.

Sen's slope:	0.202
Confidence interval:	] 0.187, 0.220 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-14):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.873
S	-31.000
Var(S)	91.000
p-value (Two-tailed)	0.002
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.17%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-1.292
Confidence interval:	] -1.333 , -1.250 [

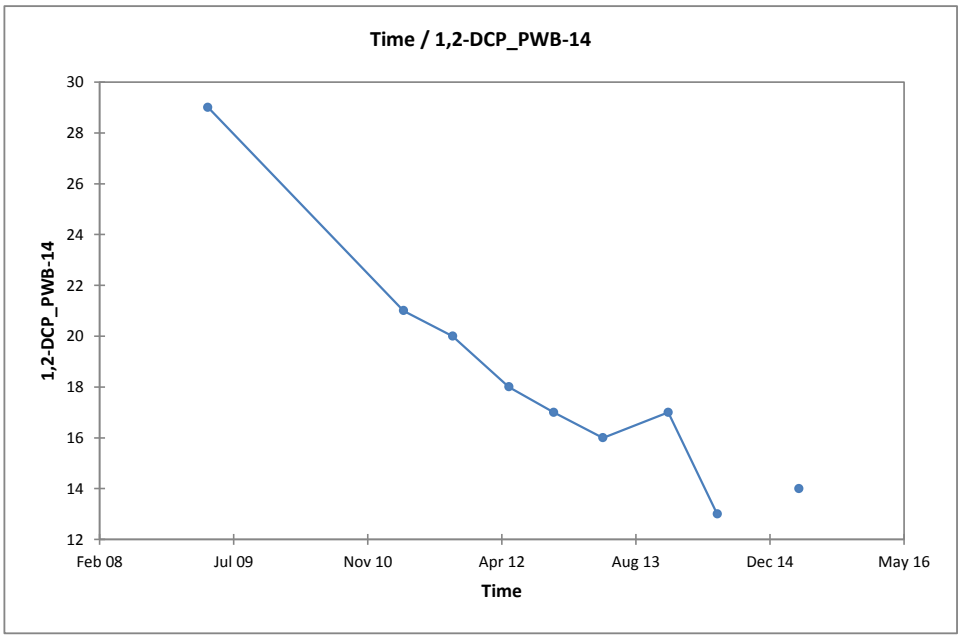


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-14):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.648
S	-23.000
Var(S)	91.000
p-value (Two-tailed)	0.021
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 2.11%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.175
Confidence interval:	] -0.230 , -0.144 [

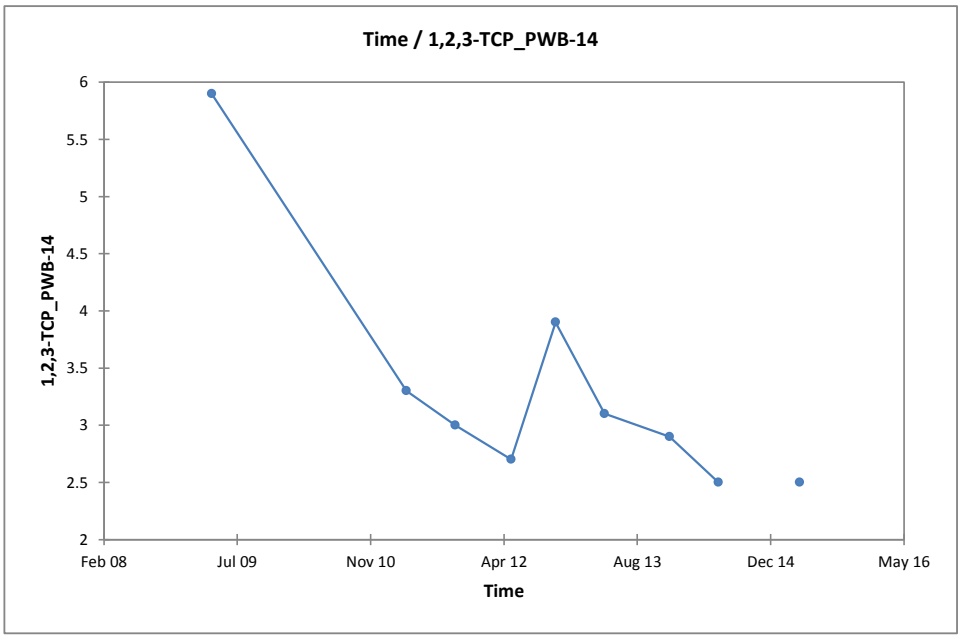


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (DBCP_PWB-14):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

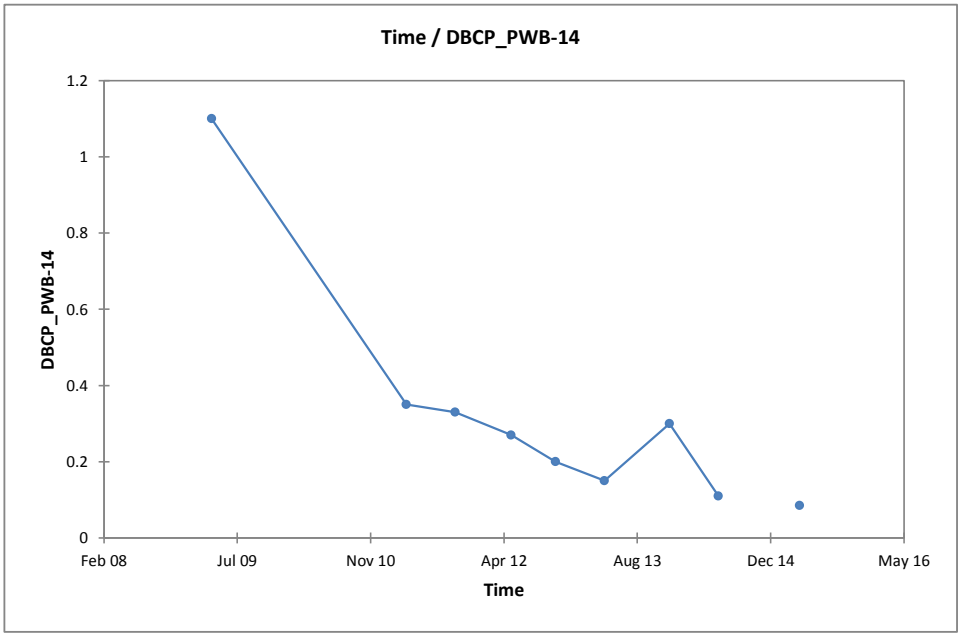
Kendall's tau	-0.833
S	-30.000
Var(S)	88.333
p-value (Two-tailed)	0.001
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.09%.

Sen's slope:	-0.047
Confidence interval:	] -0.050 , -0.043 [



Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-15):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

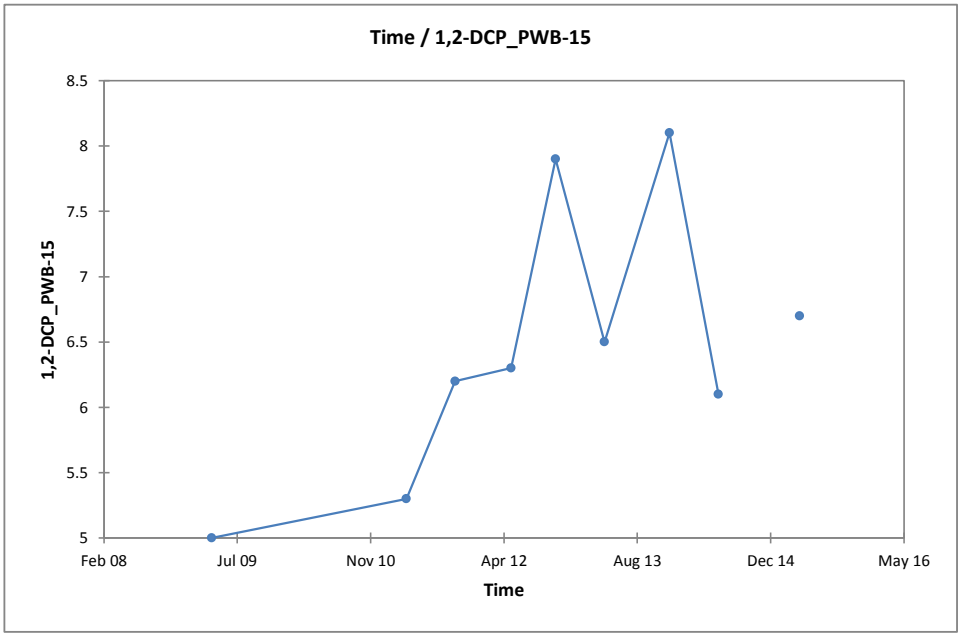
Kendall's tau	0.556
S	20.000
Var(S)	91.000
p-value (Two-tailed)	0.045
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 4.46%.

Sen's slope:	0.182
Confidence interval:	] 0.168, 0.231 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-15):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.730
S	24.000
Var(S)	83.333
p-value (Two-tailed)	0.012
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 1.18%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.131
Confidence interval:	] 0.121, 0.140 [

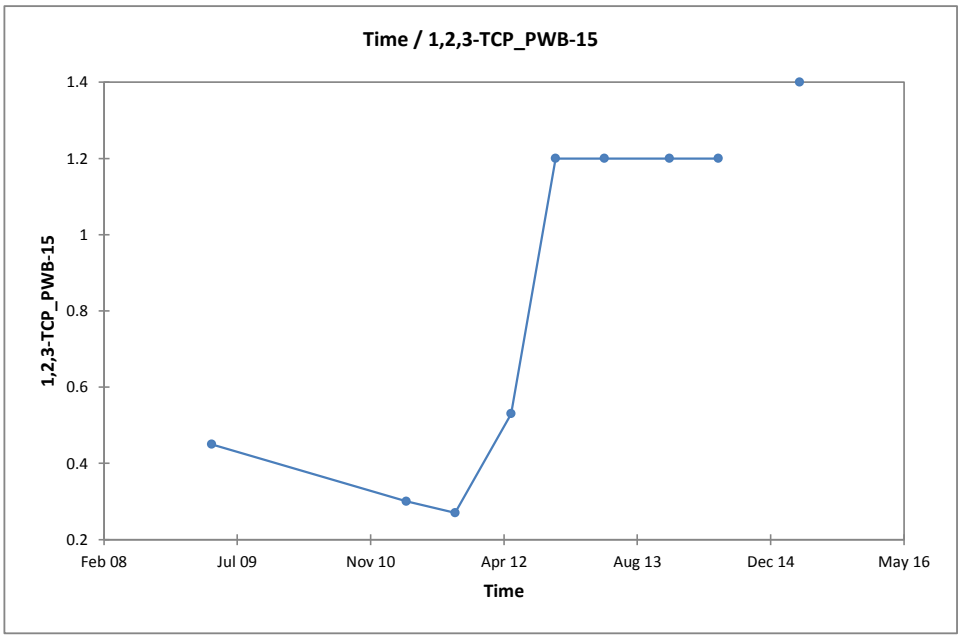


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (DBCP_PWB-15):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.808
S	27.000
Var(S)	86.333
p-value (Two-tailed)	0.005
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 0.51%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.02
Confidence interval:	] 0.020, 0.021 [

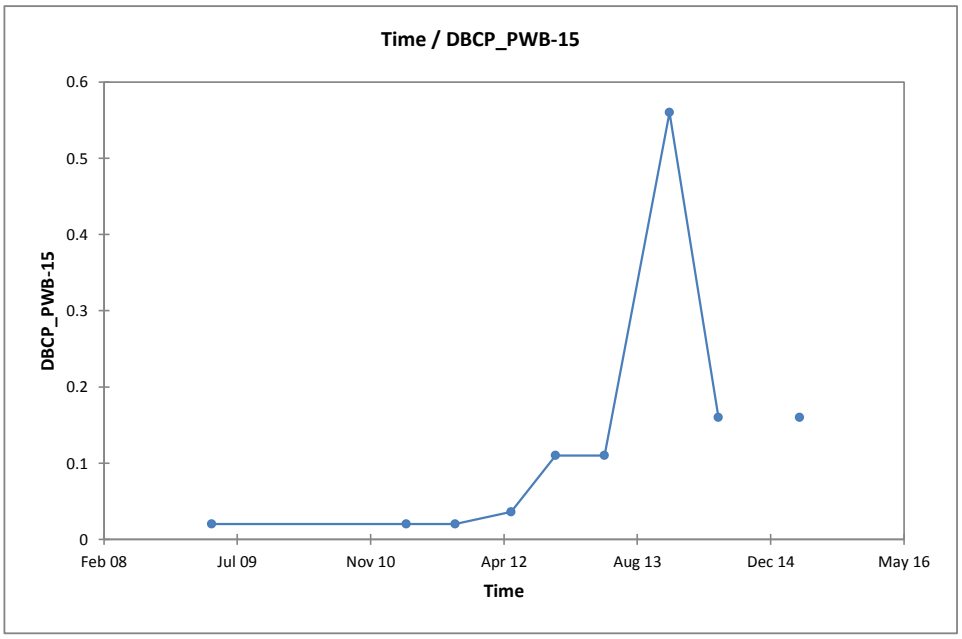


Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Mann-Kendall trend test / Two-tailed test (1,2-DCP_PWB-16):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	-0.310
S	-11.000
Var(S)	91.000
p-value (Two-tailed)	0.295
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

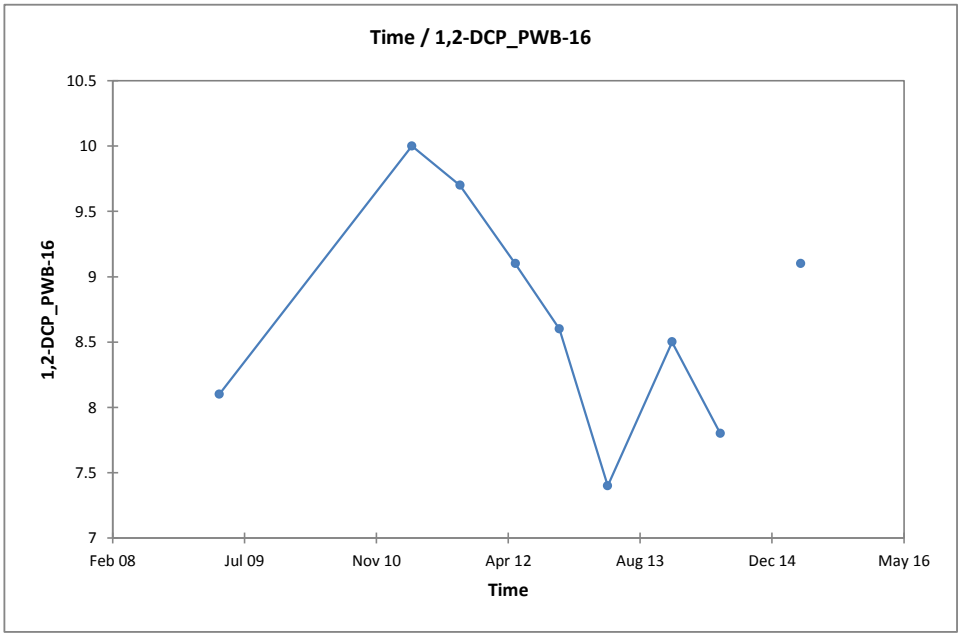
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value is greater than the significance level alpha=0.05, one cannot reject the null hypothesis H0.

The risk to reject the null hypothesis H0 while it is true is 29.45%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	-0.17
Confidence interval:	] -0.225 , -0.130 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_PWB-16):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Kendall's tau	0.457
S	16.000
Var(S)	90.000
p-value (Two-tailed)	0.114
alpha	0.05

The exact p-value could not be computed. An approximation has been used to compute the p-value.

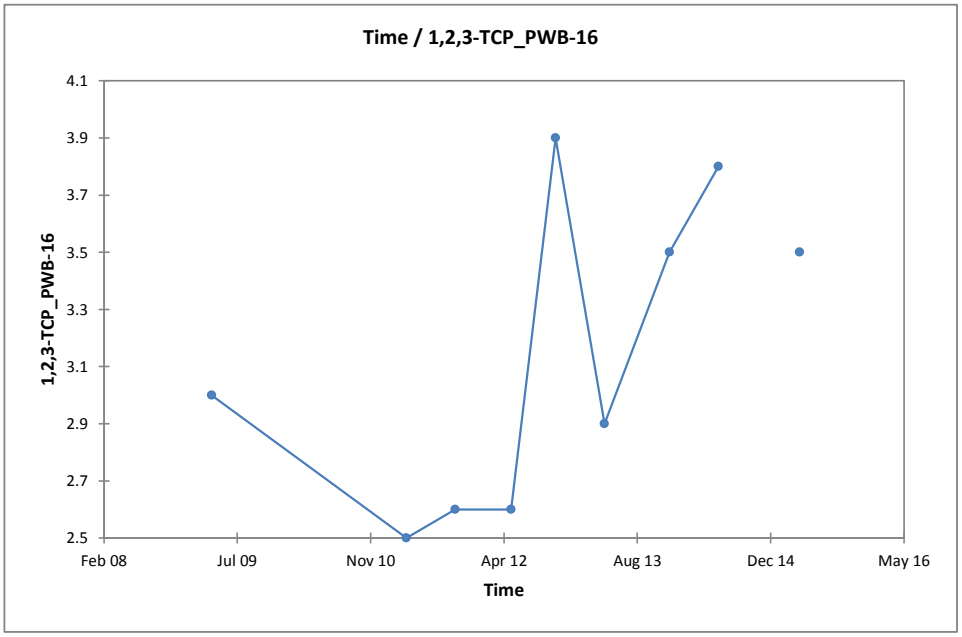
Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 11.38%.

The continuity correction has been applied.

Ties have been detected in the data and the appropriate corrections have been applied.

Sen's slope:	0.12
Confidence interval:	] 0.109, 0.126 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_BBW-1):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

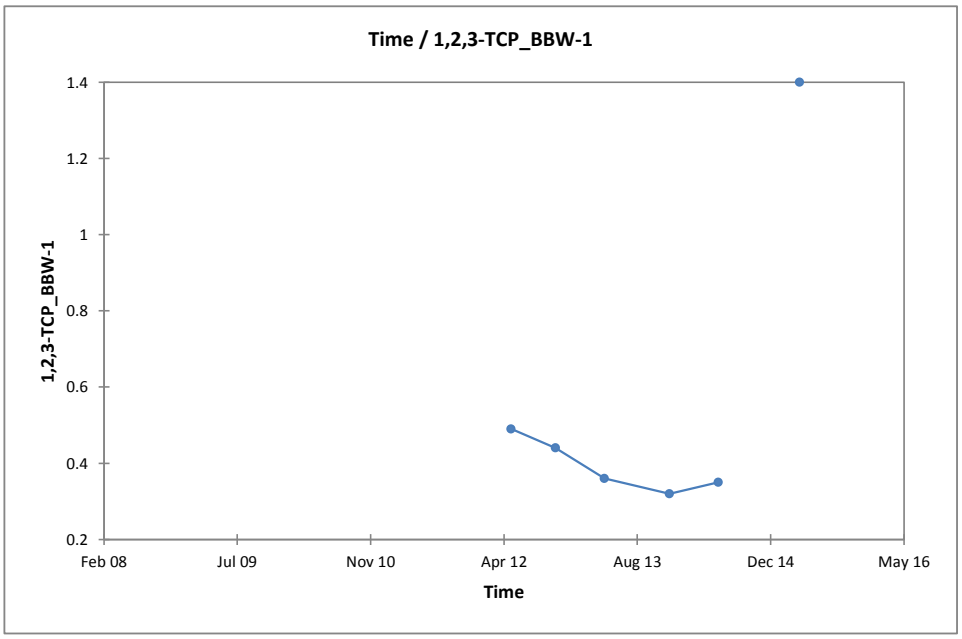
Kendall's tau	-0.200
S	-3.000
Var(S)	75.333
p-value (Two-tailed)	0.719
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 71.94%.

Sen's slope:	-0.03
Confidence interval:	] -0.032 , -0.021 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_BBW-2):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

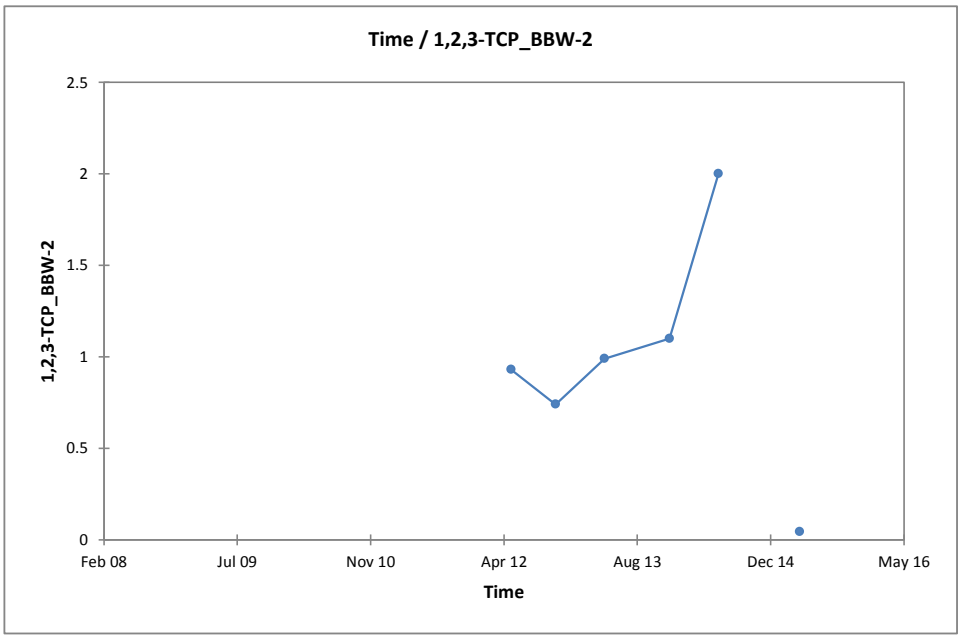
Kendall's tau	0.200
S	3.000
Var(S)	11.667
p-value (Two-tailed)	0.719
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is greater than the
significance level
alpha=0.05, one cannot
reject the null hypothesis
H0.

The risk to reject the null hypothesis H0 while it is true is 71.94%.

Sen's slope:	0.057
Confidence interval:	] 0.047, 0.075 [



Mann-Kendall trend test / Two-tailed test (1,2,3-TCP_BBW-3):

Table F-4
Groundwater Constituent Statistics
B-Zone
2009 to 2015

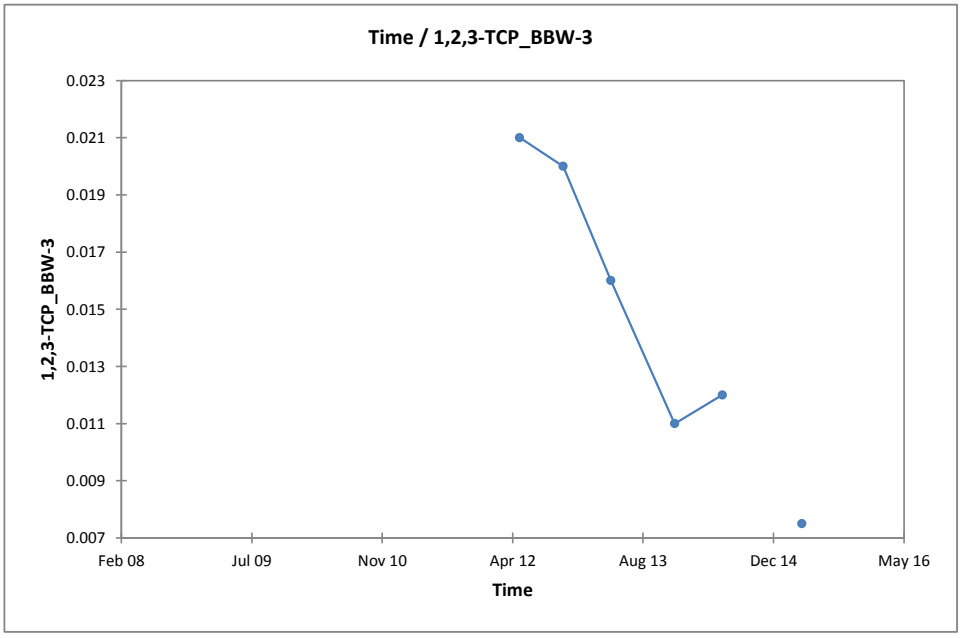
Kendall's tau	-0.867
S	-13.000
Var(S)	11.667
p-value (Two-tailed)	0.017
alpha	0.05

The p-value is computed using an exact method.

Test interpretation:
H0: There is no trend in the series
Ha: There is a trend in the series
As the computed p-value
is lower than the
significance level
alpha=0.05, one should
reject the null hypothesis
H0, and accept the
alternative hypothesis
Ha.

The risk to reject the null hypothesis H0 while it is true is lower than 1.67%.

Sen's slope:	-0.002
Confidence interval:	] -0.002 , -0.002 [



Appendix G
Well Completion Reports–City and Regional Wells

31/29-23

DWR5210
Do Not Fill In

№ 90794

State Well No.

Other Well No.

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

(1) OWNER:
Nam[redacted]
Addr[redacted]

(2) LOCATION OF WELL:
County Kern Owner's number, if any
Township, Range, and Section T31S R29E Sec. 23
Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK (*check*):
New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:
STEEL: OTHER:
SINGLE ☒ DOUBLE ☐

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	If gravel packed From ft.	To ft.
0	702	16	¼	27½	0	720

Size of shoe or well ring: Size of gravel:
Describe joint

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
402	702	16	3	2½x1/8

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 50 ft.
Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing

(9) WATER LEVELS:
Depth at which water was first found, if known ft.
Standing level before perforating, if known ft.
Standing level after perforating and developing ft.

(10) WELL TESTS:
Was pump test made? Yes ☒ No ☐ If yes, by whom? Kern Pump
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☒
Was electric log made of well? Yes ☒ No ☐ If yes, attach copy

(11) WELL LOG: CONFINED
Total depth 720 ft. Depth of completed well 702 ft.
Formation: *Describe by color, character, size of material, and structure*

0ft.	to 20ft.	Cemented Conductor
20	42	Sand
42	53	Sand & clay
53	84	Sand
84	91	Gravel & cobbles
91	102	Coarse sand
102	138	Sand
138	144	GRavel & rock
144	167	Coarse sand & gravel
167	189	Fine sand
189	204	Clay & fine sand
204	218	Sand & clay
218	229	Clay
229	267	Sand & clay
267	284	Sand
284	321	Coarse sand
321	343	Sand & gravel
343	372	Sand & clay
372	381	Sand
381	398	Clay
398	434	Sand & clay
434	446	SAnd
446	457	Sand & clay
457	475	Sand
475	501	Sand & clay
501	552	Coarse sand
552	558	Clay
558	601	Coarse sand
601	622	Coarse sand & gravel
622	634	Sand
634	641	Fine sand & clay
641	668	Sand
668	674	Fine sand & clay
674	683	Sand
683	698	Sand & clay
698	718	Clay
718	719	Sand & clay
719	720	Clay

Work started 7-4 19 74 Completed 7-11 19 74

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Johnson Drilling Co.
(Person, firm, or corporation) (*Typed or printed*)

Address P.O. Box 1853
Bakersfield, Calif.

[SIGNED]
(*Well Driller*)

License No. 251601 Dated July 11, 19 74

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORIGINAL
File with DWR

31S/29E-23

Page 1 of 2

Owner's Well No. Well #7

Date Work Began 8-9-92, Ended 8-23-92

Local Permit Agency Kern County Health Dept.

Permit No. _____ Permit Date 8-4-92

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 399266

DWR5211

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	50'	30" Conductor Set
50	60	Coarse Sand
60	110	Coarse Sand/Rock
110	120	Sand/Clay
120	130	Fine Sand/Clay
130	140	Coarse Sand/Clay
140	150	Coarse Sand
150	160	Fine Sand/Clay
160	170	Brown Clay
170	180	Coarse Sand
180	240	Coarse Sand/Rock
240	250	Coarse Sand/Clay
250	260	Fine Sand/Clay
260	270	Coarse Sand/Clay Rock
270	280	Clay /Gravel
280	290	Gravel/Clay/Sand
290	300	Gravel/Clay
300	330	Coarse Sand
330	350	Coarse Sand/Gravel
350	360	Coarse Sand
360	370	Coarse Sand/Clay Rock
370	380	Clay/Coarse Sand
380	390	Gravel/Coarse Sand
390	400	Clay/Gravel
400	410	Sand
410	420	Gravel/Sand
420	430	Clay
430	440	Clay/Coarse Sand
440	450	Clay/Sand
450	460	Coarse Sand/Clay

CONFINED

TOTAL DEPTH OF BORING 800 (Feet)
TOTAL DEPTH OF COMPLETED WELL 783 (Feet)

WELL OWNER

Name [redacted]
Mailing [redacted]
CITY STATE ZIP

WELL LOCATION

Address Commanche & Bear Mountain Blvd.
City Arvin
County Kern
APN Book _____ Page _____ Parcel _____
or Township 31-S Range 29-E Section 23
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH

NORTH
WEST EAST
SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
X Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD Reverse Rotary FLUID Water

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____
ESTIMATED YIELD* _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)
** May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL/GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50'	42"			X		Steel	30"		
0	542	28"	X				Steel	16"	.312	
542	783	28"		X			Steel	16"	.312	.090

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	490'	X			
0	540'		X		¼" Birdseye

ATTACHMENTS (✓)

X Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME F.P.I.-Well Drilling, Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS P.O. Box 1477 CITY Shafter STATE CA ZIP 93263

Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED 9-10-92 C-57 LICENSE NUMBER 612888

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 2 of 2

Owner's Well No. Well #7

Date Work Began 8-9-92, Ended 8-23-92

Local Permit Agency Health County Health Dept.

Permit No. _____ Permit Date 8-4-92

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. 399267

DWR USE ONLY — DO NOT FILL IN

DWR5212

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
460	470	Clay/Sand
470	480	Sand
480	490	Coarse Sand/Clay
490	500	Gravel/Clay
500	530	Clay
530	570	Sand/Clay
570	600	Coarse Sand/Clay
600	630	Fine Sand/Clay
630	660	Clay
660	670	Clay/Sand
670	680	Clay
680	690	Sand/Clay
690	700	Sand/Clay
700	730	Clay
730	740	Clay/Rock
740	750	Clay
750	800	Sand & Clay

TOTAL DEPTH OF BORING _____ (Feet)

TOTAL DEPTH OF COMPLETED WELL _____ (Feet)

WELL OWNER

[redacted]

CITY STATE ZIP

WELL LOCATION

Address Commanche & Bear Mountain Blvd.

City Arvin

County Kern

APN Book _____ Page _____ Parcel _____

or Township 31-S Range 29-E Section 23

or Latitude _____ DEG. MIN. SEC. NORTH Longitude _____ DEG. MIN. SEC. WEST

LOCATION SKETCH

NORTH

WEST EAST

SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL

MODIFICATION/REPAIR

___ Deepen

___ Other (Specify)

___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USE(S) (✓)

___ MONITORING

WATER SUPPLY

X Domestic

___ Public

___ Irrigation

___ Industrial

___ "TEST WELL"

___ CATHODIC PROTECTION

___ OTHER (Specify)

DRILLING METHOD Reverse Rotary FLUID Water

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____

ESTIMATED YIELD* _____ (GPM) & TEST TYPE _____

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)

** May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL/GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)

ATTACHMENTS (✓)

___ Geologic Log

___ Well Construction Diagram

___ Geophysical Log(s)

___ Soil/Water Chemical Analyses

___ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME _____
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS CITY STATE ZIP

Signed _____ WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 7-90

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

31/29-26

DWR5225

Do Not Fill In

№ 66520

State Well No. 31S·29E·26

Other Well No.

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

(1) OWNER:

Name [redacted]
Addre

(2) LOCATION OF WELL:

County Kern Owner's number, if any

Township, Range, and Section T31S R29E Sec. 26 1 blk

Distance from cities, roads, railroads, etc. West of Berby Rd. & & ½ Blk. South of Lonford Rd. on West side of Butte St.

(3) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE [X] DOUBLE [ ]

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	700	14	¼	24	0	730

If gravel packed

Size of shoe or well ring: Size of gravel: Birds Eye

Describe joint Collared and welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Sawed

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
350	700	14	30	1/8 x 2

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 50 ft.

Were any strata sealed against pollution? Yes [ ] No [X] If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes [ ] No [X] If yes, by whom? Not yet

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes [ ] No [X]

Was electric log made of well? Yes [X] No [ ] If yes, attach copy

(11) WELL LOG:

Total depth 730 ft. Depth of completed well 700 ft.

Formation: *Describe by color, character, size of material, and structure*

ft.	to ft.	
0ft.	to 50ft.	Conductor
50	118	Sand & gravel
118	130	Sand & clay
130	198	Sand & gravel
198	241	Sand & clay
241	275	Sand
275	302	Clay
302	314	Sandy clay
314	322	Sand
322	341	Clay
341	453	Sand
453	469	Sand & clay
469	488	Sand
488	515	Sand & clay
515	530	Coarse sand
530	552	Clay
552	588	Fine sand clay
588	647	Med- sand clay
647	664	Sticky clay
664	680	Sand
680	699	Sticky clay
699	710	Sand
710	730	Clay

PRESSURE

CONFIDENTIAL
Water Code Sec. 13752

Work started 7-26 1970 Completed 7-29 1970

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Johnson Drilling Co.
(Person, firm, or corporation) (*Typed or printed*)

Address P.O. Box 1853
Bakersfield, Calif.

[SIGNED]
(*Well Driller*)

License No. 251601 Dated June 29, 1970

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68) 25179-950 9-69 5CM TRIP △D OSP

NO INTENT

ORIGINAL
File with DWR

PAGE 1

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

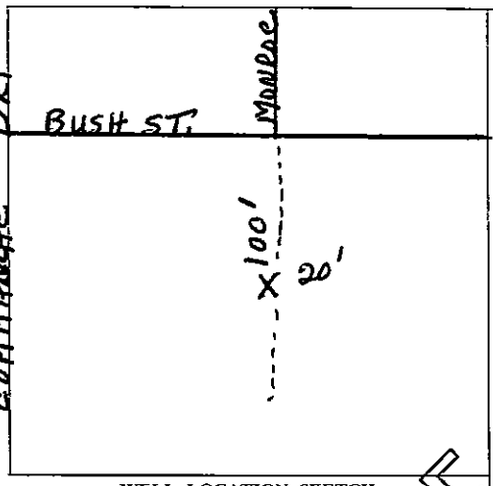
WATER WELL DRILLERS REPORT

DWR 5227 *Do not fill in*
No. 22103
State Well No. 31/29-26
Other Well No.

Notice of Intent No. 159653
Local Permit No. or Date March 17, 1978

(1) OWNE[redacted]
Address
City

(2) LOCATION OF WELL (See instructions):
County Kern Owner's Well Number #6
Well address if different from above
Township 31 Range 29 Section 26
Distance from cities, roads, railroads, fences, etc. 100' South & 20' West of Intersection Monroe St. & Bush St. in the City of Arvin, Ca.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☒
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size 5/16" X 1/16"
Diameter of bore 28"
Packed from 0 to 820 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:
Type of perforation or size of screen Louver

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
+ 1½'	810	16"	5/16"	500	800	3" X 3/32
+ 1	50'	30"	1/4			

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval ft.
Method of sealing Cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Owner
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test 323 ft. At end of test 339 ft
Discharge 990 gal/min after 24 hours Water temperature N.A.
Chemical analysis made? Yes ☒ No ☐ If yes, by whom? Owner
Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 820 ft. Depth of completed well 810 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
50	61	Brown sand with brown clay
61	75	Brown sand
75	112	Brown sand with 1" rock
112	124	Coarse sand with some clay
124	133	Coarse brown sand with some rock
133	157	Coarse brown sand
157	171	Borwn clay with fine sand
171	185	White sandy clay
185	224	Brown clay
224	231	Coarse brown sand
231	254	Brown clay with sand streaks
254	275	Brown sand with clay streaks
275	312	Brown coarse sand
312	355	Brown clay
355	370	Coarse brown sand with clay
370	405	Coarse brown sand
405	414	Coarse brown sand with clay
414	468	Coarse brown sand
468	482	Brown clay with sand
482	495	Brown clay
495	523	Coarse brown sand with clay
523	539	Brown clay
539	551	Brown coarse sand with clay
551	578	Brown clay
578	586	Brown coarse sand with clay
586	608	Brown clay
608	618	Brown sand with clay
618	627	Blue clay
627	638	Coarse sand & gravel
638	644	Blue clay
644	672	Gravel & coarse sand
672	687	Blue clay & coarse sand
687	720	Blue & brown clay
720	752	Brown clay & sand
752	768	Brown sand & clay
768	776	Brown clay
776	792	Brown sand & blue clay
792	804	Coarse blue sand with clay

Work started 3-15- 1978 Completed 4-25- 1978

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)
NAME Bakersfield Well & Pump Company (Person, firm, or corporation) (Typed or printed)
Address P.O. Box 3216
City Bakersfield, Calif. 93305 Zip
License No. 250368 Date of this report 4-25-78

COPY NOT FOR PUBLIC USE
WATER QUALITY
CONFIDENTIAL

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 43816-950 7-76 50M GCAD ⓣT OSP

ORIGINAL
File with DWR

Page 2

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

DWR5227 page 2

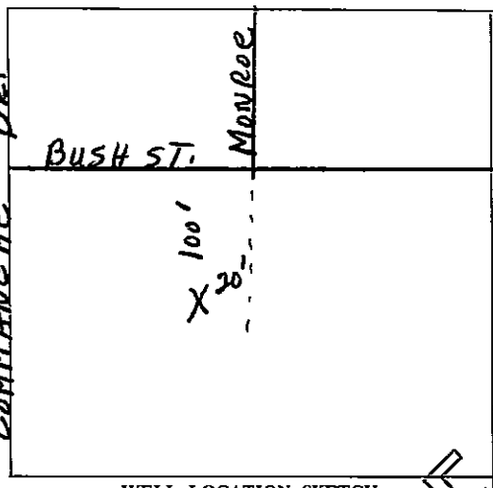
Do not fill in
No. 22104

Notice of Intent No. 159653
Local Permit No. or Date March 17, 1978

State Well No.
Other Well No.

(1) OWNER: Name Arvin Community Serv. Distr.
Address 333 Bear Mtn. Blvd.
City Arvin, Calif. Zip 93203

(2) LOCATION OF WELL (See instructions):
County Kern Owner's Well Number #6
Well address if different from above
Township 31 Range 29 Section 26
Distance from cities, roads, railroads, fences, etc. 100' South & 20' West of Intersection Monroe St., & Bush St. in the City of Arvin, Calif.



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic [X]
Irrigation [ ]
Industrial [ ]
Test Well [ ]
Stock [ ]
Municipal [X]
Other [ ]

(5) EQUIPMENT:
Rotary [X] Reverse [X]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK: Yes [X] No [ ] Size 5/16" X 1/16"
Diameter of bore 28"
Packed from 0 to 820 ft.

(7) CASING INSTALLED:
Steel [X] Plastic [ ] Concrete [ ]

(8) PERFORATIONS: Louver
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
+ 1½'	810	16"	5/16"	500	800	3" X 3/32
+ 1	50'	30"	1/4			

(9) WELL SEAL:
Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 50 ft.
Were strata sealed against pollution? Yes [ ] No [X] Interval ft.
Method of sealing Cement

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes [X] No [ ] If yes, by whom? Owner
Type of test Pump [X] Bailer [ ] Air lift [ ]
Depth to water at start of test 323 ft. At end of test 339 ft
Discharge 990 gal/min after 24 hours Water temperature N.A.
Chemical analysis made? Yes [X] No [ ] If yes, by whom? Owner
Was electric log made? Yes [ ] No [ ] If yes, attach copy to this report

(12) WELL LOG: Total depth 820 ft. Depth of completed well 810 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
804	812	Blue clay
812	820	Blue clay with coarse blue sand

Work started 3-15- 1978 Completed 4-25- 1978

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)
NAME Bakersfield Well & Pump Company (Person, firm, or corporation) (Typed or printed)
Address P.O. Box 3216
City Bakersfield, Calif. 93305 Zip
License No. 250368 Date of this report 4-25-78

CONFIDENTIAL
NOT FOR PUBLIC USE
WATER CODE SEC. 13752

31/29-26

DWR5228

Do Not Fill In

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

ORIGINAL
File with DWR

№ 87868

State Well No. 31S-29E-26A

Other Well No.

(1) OWNER:

Name [redacted]

Addre

(2) LOCATION OF WELL:

County: Kern Owner's number, if any

Township, Range, and Section: Orange Ave. & Meyers Ave.

Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK *(check)*:

New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE *(check)*:

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE [XX] DOUBLE [ ]

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	If gravel packed From ft.	To ft.
0	600	16"	1/4	27 1/2	0	620

Size of shoe or well ring: Size of gravel:

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
350	600	16		1/8 x 2 1/2

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 50 ft.

Were any strata sealed against pollution? Yes [ ] No [ ] If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes [ ] No [X] If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes [ ] No [X]

Was electric log made of well? Yes [ ] No [X] If yes, attach copy

(11) WELL LOG:

Total depth 620 ft. Depth of completed well 600 ft.

Formation: *Describe by color, character, size of material, and structure*

DRESSURE

From ft.	To ft.	Formation
0	20	Conductor
20	53	Sand
53	59	Sand & clay
59	105	Coarse sand gravel
105	113	Sand gravel rock
113	144	Coarse sand & gravel
144	175	Sandy clay
175	216	Coarse sand
216	231	Sand & gravel
231	252	Sand
252	273	Coarse sand
273	290	Clay
290	318	Sand & clay
318	335	Sand
335	356	Clay & shale
356	374	Sand
374	361	Sand & gravel
361	374	Sand clay
374	402	Sand
402	418	Clay
418	431	Sand
431	460	Sand & clay
460	483	Sand
483	499	Sand & clay
499	516	Clay
516	524	Sand
524	543	Sand & clay
543	552	Coarse sand
552	579	Coarse sand & clay
579	598	Coarse sand
598	603	Coarse sand & clay
603	620	Clay

CONFIDENTIAL
Water Code Sec. 13752

Work started 9-11 19 72, Completed 9-18 19 72

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Johnson Drilling Co.
(Person, firm, or corporation) (*Typed or printed*)

Address P.O. Box 1853
Bakersfield, Calif.

[SIGNED]
(*Well Driller*)

License No. 251601 Dated Sept. 18, 19 72

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68) 25179-950 9-68 50M TRIP AD OSP

NO INTENT

T31S/R29E - 26

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

ORIGINAL
File with DWR

Do Not Fill In
№ 67471
State Well No. DWR5230
Other Well No.

(1) OWNER:

Name [redacted]
Addre

(2) LOCATION OF WELL:

County KERN Owner's number, if any
Township, Range, and Section SEC. 26 31/29 M.D.M.
Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: SINGLE ☐ DOUBLE ☐ OTHER:

If gravel packed
755

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
				12 3/4	30	400

Size of shoe or well ring:
Size of gravel:
Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
200	400	8	4	1/8
10				

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 30' ft.
Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing CMTG

(9) WATER LEVELS:

105-125 ? MAY BE DEPLETED
Depth at which water was first found, if known ft. 205'
Standing level before perforating, if known ft.
Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☐
Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:

Total depth ft. Depth of completed well ft.
Formation: *Describe by color, character, size of material, and structure*

ft. to	ft.
0-105	CLAY
105-125	COARSE SAND
125-170	" " w/ STRKS. OF CLAY
170-205	CLAY
205-285	COARSE SAND
285-325	BRN. CLAY
325-335	COARSE SAND & GRAVEL w/ CLAY STRKS.
335-390	hd. SAND
390-400	hd. SAND-w/ clay

UNCONFINED

CONFIDENTIAL
~~Water Code Sec. 13752~~

Work started 6/28 19 72 Completed 7/1 19 72

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BARNES CORE DRLG.
(Person, firm, or corporation) (Typed or printed)
Address 1350 ROBERTS LN.
BKFLD.
[SIGNED] [signature] (Well Driller)
License No. 126242 Dated 6/28/72, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

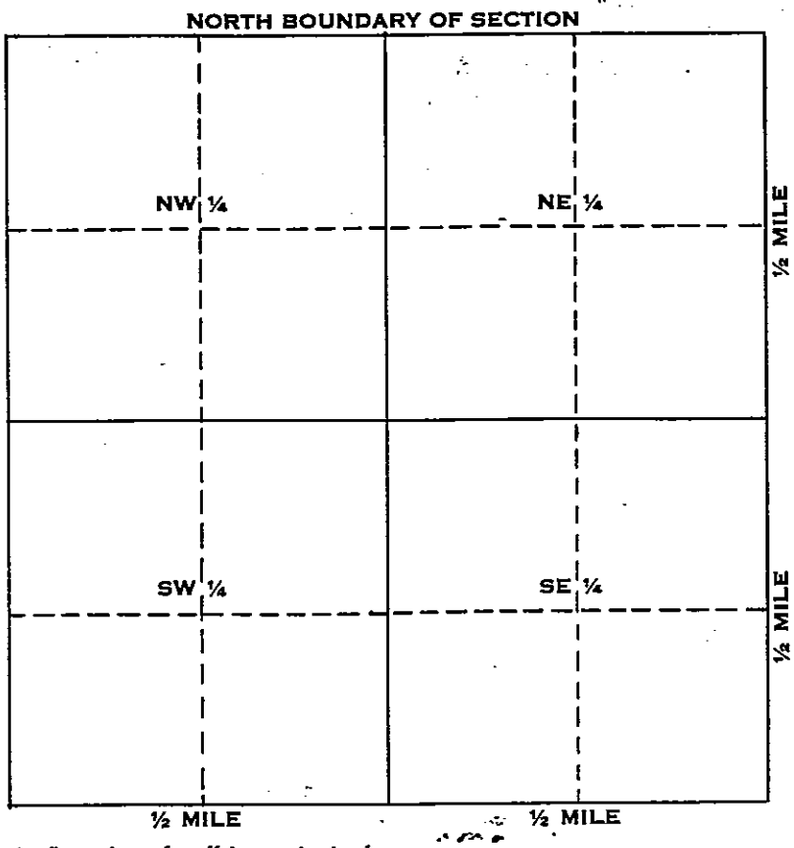
IR

25179-950 9-68 50M TRIP △D GSP

R

WELL LOCATION SKETCH

DWR5230 page 2



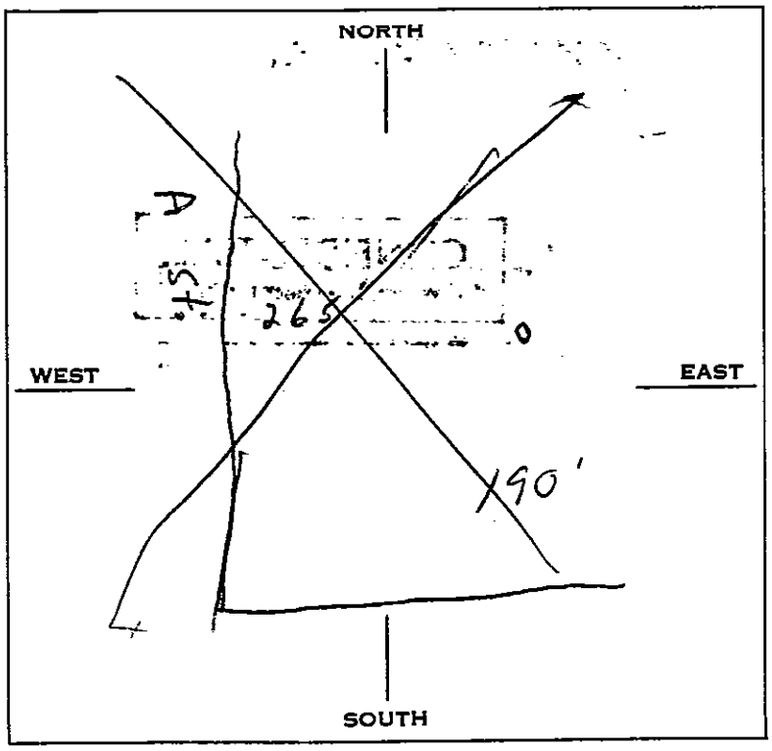
A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.

S15/29E Sec 26

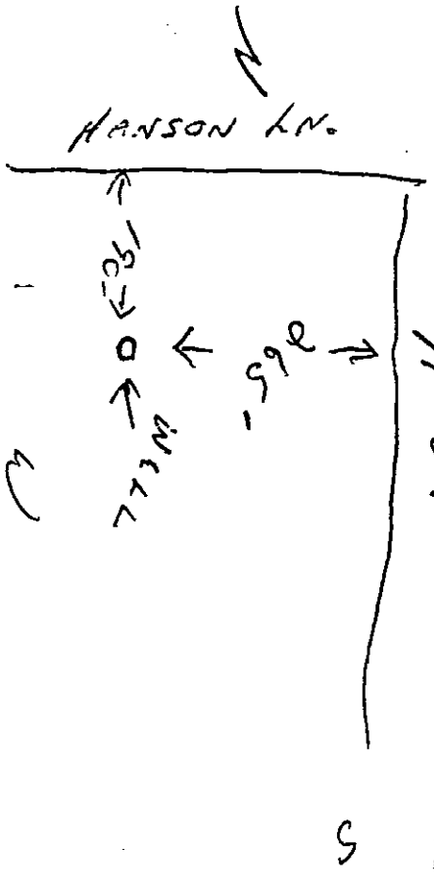
Township _____ N/S

Range _____ E/W

Section No. _____



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.



A PUIN, CALIF

RECEIVED
1972
SAN JOAQUIN DISTRICT

DWR5255

QUADRUPLICATE
For Local Requirements

Page ___ of ___

Owner's Well No. 301

Date Work Began 10-30-97 Ended 11-10-97

Local Permit Agency Kern County Health Dept.

Permit No. EH-301-97 Permit Date 10-28-97

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 570090

DWR USE ONLY — DO NOT FILL IN
31S/29E-35B01 M
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	50	30" conductor
50	60	course sand and clay
60	70	Clay
70	135	sand and clay streaks
135	150	clay
150	160	sand
160	180	clay
180	240	sand
240	250	Clay
250	275	Clay and sand
275	340	clay
340	415	sand
415	440	clay
440	475	sand
475	510	clay
510	530	sand
530	540	clay
540	585	sand and clay
585	709	clay and silty sand
709	730	sand
730	745	clay
745	765	sand
765	780	clay
780	800	sand

TOTAL DEPTH OF BORING 800 (Feet)
TOTAL DEPTH OF COMPLETED WELL 800 (Feet)

WELL OWNER

Na[redacted]
Ma[redacted]
Ci[redacted]

Address Charles St.
City Arvin
County Kern
APN Book 189 Page 445 Parcel 07
Township 31S Range 29E Section 35B
Latitude ___ DEG MIN SEC NORTH Longitude ___ DEG MIN SEC WEST

LOCATION SKETCH

NORTH
WEST EAST
SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S) (✓)

___ MONITORING
WATER SUPPLY
X Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD Reverse Rotary FLUID water

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL 318 (Ft.) & DATE MEASURED 12-10-97
ESTIMATED YIELD* 40.6 (GPM) & TEST TYPE Pump
TEST LENGTH 25 (Hrs.) TOTAL DRAWDOWN 60 (Ft.)
* *May not be representative of a well's long-term yield*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50	42	x				steel	30	.312	
0	390	26	x				steel	16	.250	
390	800	28		x			steel	16	.250 louvered	3/32

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE: CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	160	x			
160	800				birds eye gravel

ATTACHMENTS (✓)

X Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___

ATTACH ADDITIONAL INFORMATION IF IT EXISTS

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Johnson Drilling Company (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS PO BOX 4853 CITY Bakersfield, CA 93303 STATE ZIP

Signed [signature] WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED 12/31/97 C-57 LICENSE NUMBER 393556

DWR 188 (REV. 2-4) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DWR5257

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 146064

State Well No. 31/29-35

Other Well No.

Notice of Intent No.

Local Permit No. or Date

(1) OWNER: Nam [redacted]

Address

City

(2) LOCATION OF WELL (See instructions):

County Kern Owner's Well Number

Well address if different from above

Township 31S Range 29E Section 35

Distance from cities, roads, railroads, fences, etc.

WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well ☒ Deepening ☐

Reconstruction ☐

Reconditioning ☐

Horizontal Well ☐

Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐

Irrigation ☒

Industrial ☐

Test Well ☐

Stock ☐

Municipal ☐

Other ☐

(5) EQUIPMENT:

Rotary ☐ Reverse ☒

Cable ☐ Air ☐

Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size BE

Diameter of bore 28

Packed from 0 to 1020 ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	882	16	1/4	450	882	1/8x2 1/2

(8) PERFORATIONS:

Type of perforation or size of screen

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.

Were strata sealed against pollution? Yes ☐ No ☒ Interval ft.

Method of sealing

(10) WATER LEVELS:

Depth of first water, if known ft.

Standing level after well completion ft.

(11) WELL TESTS:

Was well test made? Yes ☐ No ☒ If yes, by whom?

Type of test Pump ☐ Bailer ☐ Air lift ☐

Depth to water at start of test ft. At end of test ft

Discharge gal/min after hours Water temperature

Chemical analysis made? Yes ☐ No ☒ If yes, by whom?

Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG: Total depth 1020 ft. Depth of completed well 882 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0 ft.	to 50 ft.	Cemented Conductor
50	72	Coarse sand & clay
72	89	Clay
89	127	Sand & gravel
127	135	Coarse sand & clay
135	144	Sand & gravel
144	188	Sand & clay
188	250	Sand & gravel
250	276	Coarse sand & clay
276	319	Sand & clay
319	345	Clay
345	382	Coarse sand & gravel
382	423	Coarse sand & clay
423	430	Coarse sand
430	458	Clay
458	477	Coarse sand & gravel
477	506	Clay
506	516	Coarse sand & gravel
516	522	Clay
522	570	Coarse sand & clay
570	581	Clay
581	602	Coarse sand, gravel & clay
602	612	Sand & clay
612	628	Clay
628	679	Coarse sand & clay
679	690	Clay
690	702	Coarse sand
702	718	Clay
718	755	Coarse sand & gravel
755	786	Coarse sand
786	807	Fine sand & clay
807	842	Coarse sand & clay
842	865	Sand gravel and clay
865	987	Clay
987	1000	Sand & clay
1000	1020	Clay

Work started 6-15 1979 Completed 6-25 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED [signature] (Well Driller)

NAME Johnson Drilling Co. (Person, firm, or corporation) (Typed or printed)

Address P.O. Box 1853

City Bakersfield, Calif. Zip 93303

License No. 295856 Date of this report 6-25-79

COMPOSITE

DO NOT DELINEATE PUBLIC USE
WATER CODE SEC. 13752

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DWR7191691

ORIGINAL
File with DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. 0925783

DWR USE ONLY — DO NOT FILL
STATE WELL NO./STATION NO.: 31/S/29 E-23
LATITUDE | LONGITUDE | APN/TRS/OTHER

Owner's Well No. Arvin High School

Date Work Began 3-15-04, Ended 6-15-04

Local Permit Agency Kern County Environmental Health Services

Permit No. EH 2064 Permit Date 3-8-04

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DRILLING METHOD Reverse Circulation FLUID Poly Bore

DEPTH FROM SURFACE FL	to FL	DESCRIPTION (Describe material, grain size, color, etc.)
50	80	Gravel & Sand
80	110	Rock & Sand
110	130	Sand & Gravel
130	210	Sand Gravel & Clay
210	220	Sand Gravel & Green Clay
220	240	Sand Gravel & Clay
240	270	Gravel & Clay
270	300	Sand & Clay
300	320	Clay
320	350	Sand
350	370	Sand & Gravel
370	420	Sand Gravel & Clay
420	450	Fine Sand & Gravel
450	470	Gravel & Clay
470	490	Sand & Clay
490	560	Clay
560	590	Sand & Clay
590	660	Clay
660	670	Clay & Fine Gravel
670	710	Clay & Gravel
710	740	Clay Sand & Gravel
740	800	Sand Gravel & Clay
800	810	Sand Gravel & White Clay
810	820	Sand
820	830	Clay
830	840	Clay & Sand

TOTAL DEPTH OF BORING ____ (Feet)

TOTAL DEPTH OF COMPLETED WELL ____ (Feet)

WELL OWNER

Name [redacted]

Mailing Address [redacted]

WELL LOCATION

Address 900 Varsity Ave

City Arvin

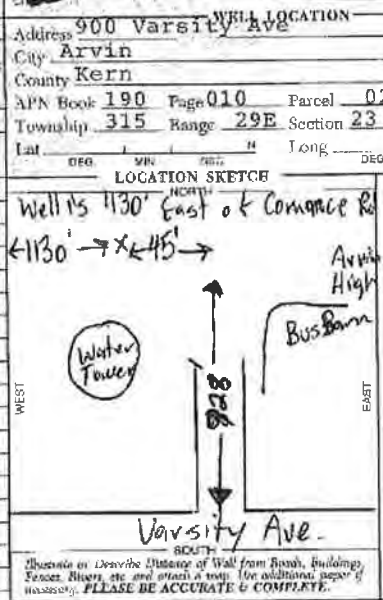
County Kern

APN Book 190 Page 010 Parcel 02

Township 315 Range 29E Section 23 NW-SW Corner

Lat ___ DEG ___ MIN ___ SEC N Long ___ DEG ___ MIN ___ SEC W

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. ***PLEASE BE ACCURATE & COMPLETE.***

ACTIVITY (✓)

X NEW WELL

MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)

___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

USES (✓)
WATER SUPPLY
___ Domestic X Public
X Irrigation ___ Industrial
___ MONITORING
___ TEST WELL
___ CATHODIC PROTECTION
___ HEAT EXCHANGE
___ DIRECT PUSH
___ INJECTION
___ VAPOR EXTRACTION
___ SPARGING
___ REMEDIATION
___ OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 348 (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 348 (Ft.) & DATE MEASURED 6-3-04

ESTIMATED YIELD 825 (GPM) & TEST TYPE Constant, Flowing

TEST LENGTH 24 (Hrs.) TOTAL DRAWDOWN 44 (Ft.)

** May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE FL	to FL	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON. DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
+2	50				X			30		
+2	347	26	X				SS3 Grade B	16	5/16	
347	350	26	X				SS4 CS	16	5/16	Adapter
350	410	26	X				SS	16	1/4'	
410	520	26		X			NS Wire Wound	16	xxD	.060
520	560	26	X				SS		1/4'	

ANNULAR MATERIAL

DEPTH FROM SURFACE FL	to FL	TYPE: CEMENT (✓)	BENTONITE (✓)	P.U. (✓)	FILTER PACK (TYPE/SIZE)
0	380	X			
380	385		X		
385	780				16x16 West Coast

ATTACHMENTS (✓)

___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Bakersfield Well & Pump
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 7212 Fruitvale Ave CITY Bakersfield STATE CA ZIP 93308

SIGNATURE [signature] C-57 LICENSED WATER WELL CONTRACTOR DATE SIGNED 8-27-04 C-57 LICENSE NUMBER 440537

DWR40520414

32/29-2N

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT
(Sections 7079, 7080, 7081, 7082, Water Code) (CONT.)

Do Not Fill In (1)

Nº 30806

N. Acc.-Vacuum Seal-A.L. inoperative 10-30-69 TES

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

State Well No. 24 1 [illegible]
Other Well No. 32S/29E-2N

(1) OWNER:
Name XXXXXXXXXX
Address XXXXXXXXXX
XXXXXXXXXX

(2) LOCATION OF WELL: 0.76 E & 60' N/o SE. Cor near twin boxcar sheds.
County Kern Owner's number, if any
Township, Range, and Section T32S R29E Sec. 2
Distance from cities, roads, railroads, etc. 3/4 mile W of Tejon Rd. and 1 mile N of Herring Rd.

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:
STEEL: SINGLE ☒ DOUBLE ☐ OTHER:

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	If gravel packed From ft.	To ft.
0	1000	1600	5/16	28	0	1000

Size of shoe or well ring: Size of gravel:
Describe joint

(7) PERFORATIONS OR SCREEN:
Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
450	1000	16		1/8 x 2

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 17 ft.
Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata
From ft. to ft.
From ft. to ft.
Method of sealing

(9) WATER LEVELS:
Depth at which water was first found, if known ft.
Standing level before perforating, if known ft.
Standing level after perforating and developing ft.

(10) WELL TESTS:
Was pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Temperature of water Was a chemical analysis made? Yes ☐ No ☒
Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:
Total depth 1000 ft. Depth of completed well ft.
Formation: Describe by color, character, size of material, and structure

ft.	to ft.	
0ft.	20ft.	Cemented Conductor
20	200	Sand & Clay
200	243	Coarse sand
243	261	Sand & clay
261	278	Sand
278	314	Sand & clay
314	330	Sand
330	351	Clay
351	376	Coarse sand
376	394	Blue clay
394	415	Sand
415	437	Clay
437	451	Sand
451	472	Sand and clay
472	490	Sand
490	510	Clay
510	520	Sand and clay
520	540	Sand
540	580	Sand
580	600	Clay
600	606	Clay
606	614	Sand
614	643	Sand & clay
643	652	Sand
652	662	Clay
662	678	Sand
678	692	Fine sand & clay
692	709	Coarse sand
709	723	Sand & clay
723	737	Sand
737	758	Sand & clay
758	770	Sand
770	774	Clay
774	800	Sand
800	820	Sand clay
820	840	Clay
840	860	Sand & clay

Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

CONFIDENTIAL
Water Code Sec. 13752

NAME
(Person, firm, or corporation) (Typed or printed)
Address Johnson Drlng Co.

[SIGNED]
(Well Driller)

License No. Dated , 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

Kern Co. 2-28-68

DWR 188 (REV. 9-65)

56391-550 10-69 50M TRIP ⓪ △ GBP

DWR40520414

ORIGINAL
File with DWR

32/29-2N

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

(2)

Do Not Fill In

Nº 30807

State Well No.

Other Well No.

(1) OWNER:

Name XXXXXXXXXX

Address

(2) LOCATION OF WELL:

County Owner's number, if any

Township, Range, and Section

Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE ☐ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.

Size of shoe or well cap: Size of gravel:

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☐ To what depth ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☐ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

Was electric log made of well? Yes ☐ No ☐ If yes, attach copy

(11) WELL LOG:

Total depth ft. Depth of completed well ft.

Formations: *Describe by color, character, size of material, and structure*

ft. to	ft. to	
860ft.	920ft.	Sand
920	986	Sand & clay
986	1000	Clay

CONFIDENTIAL
Water Code Sec. 13752

Work started 2-16 19 68 . Completed 2-23 19 68

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Johnson Drilling Co.
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 1853
Bakersfield, Calif.

[SIGNED]
(Well Driller)

License No. 251601 Dated 2-24 19 68

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-65)

31/29-23L

DWR40520769

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Do Not Fill In

Nº 24365

State Well No.

Other Well No. 31S/29E-23L

(1) OWNER:

Name [redacted]

Addr

(2) LOCATION OF WELL:

County KERN Owner's number, if any

Township, Range, and Section 31S; 29E Sec. 23

Distance from cities, roads, railroads, etc. n.w. cornerof ne 1/4 of of the sw 1/4.

(3) TYPE OF WORK *(check)*:

New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE *(check)*:

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [X] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:

STEEL: SINGLE [X] DOUBLE [ ] OTHER:

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	650	14"	1/4"	24"	0	650

If gravel packed

Size of shoe or well ring:

Size of gravel: 3/8"

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
350	650	14	2	.125x2"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 20 ft.

Were any strata sealed against pollution? Yes [X] No [ ] If yes, note depth of strata

From 20 ft. to 50 ft.

From ft. to ft.

Method of sealing cement seal

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing ft.

(10) WELL TESTS:

Was pump test made? Yes [ ] No [ ] If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

Was electric log made of well? Yes [ ] No [ ] If yes, attach copy

(11) WELL LOG:

Total depth 655 ft. Depth of completed well 650 ft.

Formation: *Describe by color, character, size of material, and structure*

	ft. to	ft. to	
top soil & sand	0	82	
sand	82	102	
hard sand & streaks clay	102	233	
sand	233	255	
coarse sand	255	278	
hard sand	278	286	
sand	286	326	
sand with clay streaks	326	375	
clay with sand streaks	375	425	
hard sand & clay	425	471	
hard sand	471	516	
coarse sand & gravel	516	550	
sand & streaks clay	550	575	
hard sand	575	590	
hard sand with clay stks	590	613	
sand & clay	613	630	
sand	630	645	
clay	645	655	

CONFIDENTIAL
Water Code Sec. 13752

Work started 3/16 19 68 . Completed ~~3/20~~ 3-22-68 68

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ROBERTSON BROS.
(Person, firm, or corporation) (*Typed or printed*)

Address Rt. 3 Box 1060
BAKERSFIELD, CALIF. 93307

[SIGNED] O E Robertson
(Well Driller)

License No. 239627 Dated March, 19 68

SKETCH LOCATION OF WELL ON REVERSE SIDE

31/29-23L2

DWR40520770

LOCATION NOT CHECKED

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

1489

Do Not Fill In
№ 37270

State Well No. 23L2
Other Well No. 31/29-23

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Kern Owner's number, if any— 3

R. F. D. or Street No.
943 Varsity Drive

Sec 23 - 31S- 29E

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	1196	16"	¼

If gravel packed

Diameter of Bore	from ft.	to ft.
27½	0	1196

Type and size of shoe or well ring
Size of gravel:
Describe joint Weld

(7) PERFORATIONS:

Type of perforator used Shop

Size of perforations in., length, by 1/8 X 1" in.

From ft.	to ft.	Perf. per row	Rows per ft.
490	1190	80 Per Ft.	

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft. to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating 270 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom S.A. Camp Pump Co.
Yield: 2275 gal./min. with 70 ft. draw down after 24 hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 1196 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	10	Surface Soil
10v	56	Sand
56	211	Cor Sand
211	228	Clay & Gravel
228	360	Sand
360	406	Sandy Clay w/ Sand Stks.
406	451	Sand
451	543	Sand w/ Clay stks.
543	581	Blue Clay w/ Sand Stks.
581	631	Sand w/ Stks. Blue Clay
631	690	Yellow Clay
690	720	Blue Clay w/ SandStks.
720	806	Yellow Clay w/ Sand Stks.
806	812	Sand
812	842	Sandy Clayw/ Sand Stks.
842	858	Sand
858	880	Yellow Sdy. Clay w/ Sand Stks.
880	904	Sand w/ Clay Stks.
904	940	Sand & Boulders
940	960	Sand w/ Clay Stks.
960	1035	Blue Clay w/ Clay Stks.
1035	1085	Blue Sandy Clay
1085	1108	Sand
1108	1115	Blue Sandy Clay
1115	1127	Sand
1127	1164	Clay w/ Sand Stks.
1164	1190	Sand
1190	1196	Sandy Clay

Work started 3/3/58 19 , Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Pacific Coast Drilling Company
(Person, firm, or corporation) (Typed or printed)

Address 224 Monte Vista Drive
Bakersfield, California

[SIGNED] .....
Well Driller

License No. 74208 Dated July 1, 1942, 19

DWR FORM NO. 246 (REV. 3-54)

DWR4050778

LOCATION NOT CHECKED

31/29-25C2

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
№ 39125
State Well No. 31S/29E-25C3
Other Well No. 31/29 E-25

(1) OWNER:

Name [redacted]
Address

(2) LOCATION OF WELL:

County Kern Owner's number, if any— 25-12
R. F. D. or Street No. Bear Mt. Road ½ mile
East of Tejon Road

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	831	16 X ¼	
0	18	30 X ¼	

If gravel packed

Diameter of Bore	from ft.	to ft.
27½	0	831

Type and size of shoe or well ring
Size of gravel 1/2 X 3/8
Describe joint Weld

(7) PERFORATIONS:

Type of perforator used Milled
Size of perforations 1/8 X 2½ in., length, by in.

From ft.	to ft.	Perf. per row	Rows per ft.
390	824		
	40 Perfs per ft.		

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth 6 ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft. to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating 253 ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Farm Imp. & Engine Co.
Yield: 2450 gal./min. with 25 ft. draw down after 8 hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☒ Yes ☐ No

(11) WELL LOG:

Total depth 832 ft. Depth of completed well ft.

Formation: *Describe by color, character, size of material, and structure.*

ft. to	ft.	
0	10	Surface Soil
10	18	Sand
18	40	Cor Sand & Gravel
40	142	Sand
142	160	Clay & Gravel
160	230	Sandy Clay
230	249	Clay
249	406	Sand
406	451	Sand & Clay Stks.
451	474	Med. Sand
474	500	Sand
500	545	Cor Sand
545	586	Med. Sand
586	606	Sand w/ Sandy Clay Stks.
606	685	Sand
685	705	Yellow Clay
705	741	Blue Clay
741	765	Sandy Clay
765	817	Clay w/ Sand Stks.
817	832	Clay

CONFIDENTIAL
Section 7076.1, Water Code

Work started 1-27-58 19, Completed 2-22-58 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Pacific Coast Drilling Company
(Person, firm, or corporation) (Typed or printed)
Address 224 Monte Vista Drive
Bakersfield, California

[SIGNED] .....
Well Driller
License No. 74208 Dated July 1, 19 42

DWR FORM NO. 246 (REV. 3-64)

DUPLICATE
File Original, Duplicate and Triplicate with the
DIVISION OF WATER RESOURCES
P. O. BOX 1079
SACRAMENTO 5, CALIFORNIA

WATER WELL DRILLERS REPORT

(Section 7077, 7078 and 7079, Water Code)

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

31/29-35C1

31/29-35C1 (GS)

Do Not Fill In
State Well No. 31/29E-2
Other Well No.
Region
DWR40520821

CONFIDENTIAL

(1) DRILLER: (person, firm, or corporation)
Name E.A.Moyes
Address 507 Lincoln St
Bakersfield

OWNER: XXXXXXXXXXXXXXXXXXXX
Name XXXXXXXXXXXXXXXXXXXX
Address XXXXXXXXXXXXXXXXXXXX

(2) Proposed Use (Check)

				Equipment	
Domestic	☐	Industrial	☐	Rotary	☐
Irrigation	☒	Test Well	☐	Cable	☒
Municipal	☐	Other	☐	Dug Well	☐
				Other	☐

(3) CASING:
198 ft. of 10 in. 10 x lb./ft. casing left in well

Type and size of shoe or well ring 1/2 x 4" x 10 steel

(4) PERFORATIONS:
Type of perforator used 1/8 x 1 clean out
Perforated 198 ft. to ft. holes per in.

Diameter of perforations 1/8 in., length 1 in.

(5) WATER LEVELS:
Was electric log made of well? ☐ Yes ☒ No If yes, attach copy.
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.
Note your observation of any change in water level while drilling
Was a surface sanitary seal provided?

(6) WELL PUMPING TEST:
Capacity gal./min. ft. draw down

Was well gravel packed? no
Were any strata sealed against pollution?
Temperature Was a chemical analysis made? Attach copy
If abandoned was well capped?

(7) TYPE OF WORK (check):
New well ☐ Reconditioning of well ☐
Deepening existing well ☒

(8) LOCATION OF WELL: 31/29-35C1C
County Kern field located 9/27/53 R.L.Blomquist
R. F. D. or Street No. Sycamore
sec 35 T31 R29 E M D

DEEPENED EXISTING WELL

(9) WELL LOG:
Total depth of well ft.
Formation: Mention size of water gravel—

355	ft. to	370	ft.	clay
370	"	380	"	sand
380	"	384	"	clay
384	"	390	"	sand
390	"	400	"	clay
400	"	429	"	sand
429	"	549	"	clay streaks of sand

this is a deepning job

CONFIDENTIAL
Section 7076.1, Water Code

Work started 3/5 52, 19 Completed 3/20/52, 19
Date of Report 3/22/52, 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

[SIGNED] E. A. Moyes
By
License No. 124338 Classification C 57
Dated 3/22/52

40370 7-51 30M QUIN ⓓ BFD

DWR40520827

LOCATION NOT CHECKED

DUPLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 5
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7021, 7027, 7078, Water Code)
STATE OF CALIFORNIA

31/29-36B2
31/29-36B2 (GS) 256

Do Not Fill In
№ 10187
State Well No. 31/29-36B2
Other Well No. 31/S/29E-36

(1) OWNER:
Name [redacted]
Address

(2) LOCATION OF WELL:
County Kern Owner's number, if any— S 36 - 5
R. F. D. or Street No.
Sec 36 31S 29E

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☒ DOUBLE ☐

From ft.	to ft.	Diam.	Gage or Wall
0	820	20" OD	3/8"
0	30	36"	3/8"

If gravel packed

Diameter of Bore	from ft.	to ft.
32"	30	820

Type and size of shoe or well ring
Size of gravel: 1/8"
Describe joint

(7) PERFORATIONS:
Type of perforator used milled
Size of perforations 2½" in., length, by 1/8" in.

From ft.	to ft.	Perf. per row	Rows per ft.
280	820	40 holes per foot	

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 30' ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft.	to ft.

Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found ft.
Standing level before perforating ft.
Standing level after perforating ft.

(10) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes, by whom?
Yield: 3400 gal./min. with 42 ft. draw down after 20 hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☒ Yes ☐ No

(11) WELL LOG:
Total depth 820 ft. Depth of completed well 820 ft.
Formations: Describe by color, character, size of material, and structure.

From ft.	to ft.	Formation
0	5	surface soil
5	10	clay
10	188	coarse sand, clay strks
188	210	sand & boulders
210	219	sand & clay
219	269	coarse sand, clay strks
269	295	sandy clay
295	413	sand
413	428	clay
428	490	sand
490	533	clay, strks hard sand
533	565	sand & boulders
565	659	sand & boulders, small clay strks
659	749	sand, clay strks
749	793	clay, sand strks
793	820	cemented sand, clay strks

Section 7076.1, Water Code

0.99 Mile Reference
0.49 Mile West of SE Corner of Section 36

10-3-56
R. McBride

Work started Nov 23 19 , Completed Dec 18 19 54

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Pacific Coast Drilling Co
(Person, firm, or corporation) (Typed or printed)
Address 224 Monte Vista Dr
Bakersfield, Calif

[SIGNED] [signature]
Well Driller
License No. 74208 Dated , 19

95689 3-56 50M QUIN ® SPO DWR FORM NO. 246 (REV. 3-54)

DWR826150537 12

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0265326

Page 1 of 2

Owner's Well Number Sycamore

Date Work Began 02/20/2015 Date Work Ended 4/29/2015

Local Permit Agency Kern County DPH

Permit Number 15762 Permit Date 1/6/15

DWR Use Only – Do Not Fill In

31S/29E-36

State Well Number/Site Number

N Latitude W Longitude

APN/TRS/Other

Geologic Log

Orientation ⦿ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Reverse Circulation Rotary Drilling Fluid Bentonite mud

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
0	100	Brown sand and clayey sand
100	240	Brown clay and sandy clay
240	270	Brown and gray clay
270	560	Brown interbedded gray sandy clay and clay
560	760	Brown gravelly sand and clayey gravelly sand
760	790	Olive clay
790	930	Gray-Brown sand and clayey sand
930	980	Gray clay
980	1,040	Brown clayey gravelly sand

Total Depth of Boring 1040 Feet

Total Depth of Completed Well 1025 Feet

Well Owner

[redacted]

Well Location

Address 2800' N. of Mullux Rd, 150' E. of Tower Line Rd

City Arvin County Kern

Latitude 35 Deg. 11 Min. 16 Sec. N Longitude 118 Deg. 48 Min. 23 Sec. W

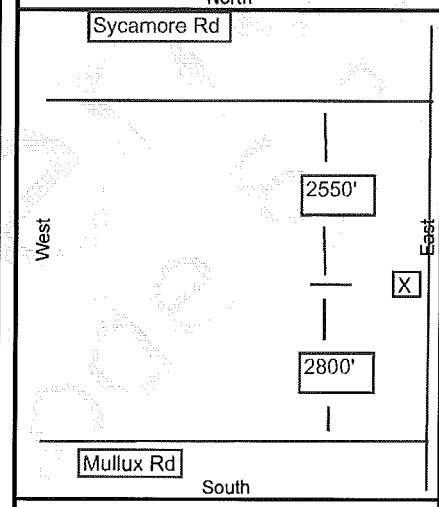
Datum Dec. Lat. Dec. Long.

APN Book 189 Page 352 Parcel 30

Township 31S Range 29E Section 36

Location Sketch

(Sketch must be drawn by hand after form is printed.)



Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

- ⦿ New Well
- ○ Modification/Repair
  - ○ Deepen
  - ○ Other
- ○ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

- ⦿ Water Supply
  - ☐ Domestic ☐ Public
  - ☑ Irrigation ☐ Industrial
- ○ Cathodic Protection
- ○ Dewatering
- ○ Heat Exchange
- ○ Injection
- ○ Monitoring
- ○ Remediation
- ○ Sparging
- ○ Test Well
- ○ Vapor Extraction
- ○ Other

Water Level and Yield of Completed Well

Depth to first water (Feet below surface)

Depth to Static Water Level 393 (Feet) Date Measured 04/27/2015

Estimated Yield * 2,600 (GPM) Test Type Constant Rate

Test Length ~~12.0~~ 24 (Hours) Total Drawdown 74 (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)
0	50	48	Conductor	Low Carbon Steel	.375	36		
0	540	28	Blank	Low Carbon Steel	.375	18		
540	560	28	Comp Sec	Low Carbon Steel	.375	18		
560	565	28	18/16 Red	Low Carbon Steel	.375	18/16		
565	1,005	26	Screen	Low Carbon Steel	.3125	16	Louver	0.060
1,005	1,025	26	Blank	Low Carbon Steel	.3125	16		

Annular Material

Depth from Surface Feet	to Feet	Fill	Description
0	50	Cement	10.5 sk
0	520	Cement	10.5 sk
520	1,040	Filter Pack	8x16 Cal Silica

Attachments

- ☐ Geologic Log
- ☐ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☐ Other

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Best Drilling and Pump, Inc (Person, Firm or Corporation)

1640 W. Pellisier Rd (Address) Colton (City) CA (State) 92324 (Zip)

Signed [signature] (C-57 Licensed Water Well Contractor) 5-2-15 (Date Signed) 826672 (C-57 License Number)

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

JM 10134

DWR215084139

ORIGINAL
File with DWR

Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. EO-42384

DWR USE ONLY — DO NOT FILL IN
32S/29E-012
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. GURNETT # 2
Date Work Began 8/8/06, Ended 8/23/06
Local Permit Agency KERN COUNTY
Permit No. WP-9502 Permit Date 7/8/06

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)
DRILLING METHOD REVERSE FLUID WATER

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
0	10	LT. BROWN TOP SOIL
10	45	MEDIUM BROWN CLAY & SAND
45	126	MEDIUM BROWN SAND & ROCKS - HARD
126	320	MEDIUM BROWN SAND & CLAY
320	350	COARSE BROWN SAND & GRAVEL
350	920	MEDIUM BROWN SAND & CLAY
920	1020	GRITTY BROWN CLAY

TOTAL DEPTH OF BORING 1020 (Feet)
TOTAL DEPTH OF COMPLETED WELL 900 (Feet)

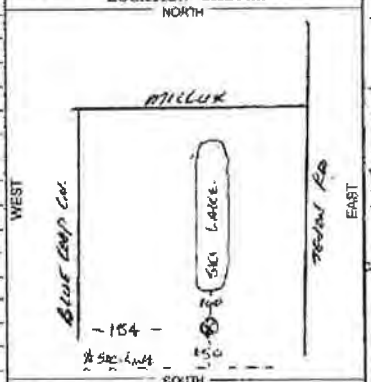
WELL OWNER

Name [redacted]
Mailing [redacted]
ARVIN CA 93203
CITY STATE ZIP

WELL LOCATION

Address 3300 BLUE LOOP LN.
City ARVIN CA 93203
County KERN
APN Book 446 Page 120 Parcel 15
Township 32 S Range 29 E Section 2
Latitude 35 10 24 N (DEG. MIN. SEC.) 118 49 42 W (DEG MIN SEC.)

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify)
— DESTROY (Describe Procedure and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)
WATER SUPPLY
— Domestic — Public
✓ Irrigation — Industrial
MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) —

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 20 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL — (Ft.) & DATE MEASURED —
ESTIMATED YIELD * — (GPM) & TEST TYPE —
TEST LENGTH — (Hrs.) TOTAL DRAWDOWN — (Ft.)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50	42			✓		STEEL	30	.250	
0	331	28	✓				STEEL	16	.375	
331	900	28		✓			STEEL	16	.375	.080 X 32

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	50	✓			
0	920				

ATTACHMENTS (✓)

✓ Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME Farm Pump and Irrigation
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
P.O. Box 1477 Shafter CA 93263
ADDRESS CITY STATE ZIP
Signed [signature] 08/22/06 602148 C-57
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. e049406

DWR USE ONLY — DO NOT FILL IN
3125/ 29 E -10 2
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
DWR1227060966
APN/TRS/OTHER

Owner's Well No. GURNETT #1

Date Work Began _____ Ended _____

Local Permit Agency KERN COUNTY

Permit No. EH-2976 Permit Date 5/6/05

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE ___ (SPECIFY)

DRILLING METHOD REVERSE FLUID WATER

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	10	BROWN TOP SOIL
10	48	BROWN CLAY & SAND
48	148	MEDIUM BROWN SAND
148	188	MEDIUM BROWN SAND & CLAY
188	208	BROWN CLAY
208	437	BROWN SAND & CLAY
437	1024	MEDIUM BROWN SAND TRACE CLAY

TOTAL DEPTH OF BORING 1024 (Feet)

TOTAL DEPTH OF COMPLETED WELL 1000 (Feet)

WELL OWNER

Name [redacted]

Mailing [redacted]

ARVIN CA 93203
CITY STATE ZIP

WELL LOCATION

Address 3300 BLUE LOOP LANE

City ARVIN CA 93203

County KERN

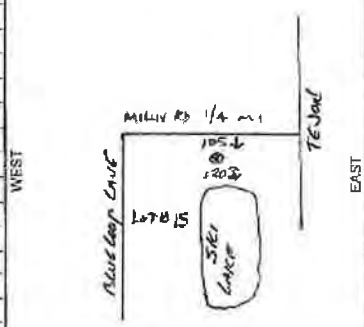
APN Book 448 Page 120 Parcel 15

Township 32 S Range 29 E Section 2

Latitude 35 DEG 10 MIN .778 SEC N 118 DEG 49 MIN .769 SEC W

LOCATION SKETCH

NORTH



SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)

✓ NEW WELL

MODIFICATION/REPAIR
— Deepen
— Other (Specify)

— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)
WATER SUPPLY
✓ Domestic — Public
— Irrigation — Industrial

MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) —

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 40 (Ft.) BELOW SURFACE 1

DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)

May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50	42			✓		STEEL	30"	.250	
0	358	28	✓				STEEL	16"	.375	
358	1000	28		✓			STEEL	16"	.375	.090 X 32

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	50	✓			
50	1000				

ATTACHMENTS (✓)

— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analyses
— Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

NAME Farm Pump and Irrigation
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

P.O. Box 1477 Shafter CA 93263
ADDRESS CITY STATE ZIP

Signed _____ 08/14/05 802148 C-57
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM