APPENDIX C

AUTOMATED DATA REVIEW REPORT

Automatic Data Validation Report

Biannually
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # 12J162

October, 2012

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	Percent Recovery 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: 12J162

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/30/2013 22:05**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	3
0004	0
0005	0
0006	0
0007	0
0008	0
0009	0
0010	0
0011	0
0012	6
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	4
0035	0
0036	0
0037	0
0038	0

Total : 15

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J162

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/30/2013 22:05**

Field or Record Errors

Table	Record	Field	Type	Description	Lab Comments
A3	92	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method 300.0 is measured in hours.	
A3	97	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method FE3500 is measured in hours.	
A3	99	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method 300.0 is measured in hours.	

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	446	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID J162-08M, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	529	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID J162-08S, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1183	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO67J20C, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1254	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO67J20L, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	

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: J162-08M, 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: J162-08M, 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: J162-08M, Analysis Type DL, analyzed by method 300.0.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J162

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/30/2013 22:05**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
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: J162-08S, 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: J162-08S, 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: J162-08S, Analysis Type DL, analyzed by method 300.0.	
A3		Project Number	0025	The project name "BROWN & BRYANT SUPERFUND SITE" 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-10-425" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J162

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/30/2013 22:05**

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: 12J162

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/30/2013 22:05**

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 : 12J162 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-24-12 FDUP-1	**FD**	10-24-12 BBW-3	10/24/2012 10:50

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: 12J162

Method: 300.0

Matrix ID: AQ Preparation Batch: ICJ037W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ037WB	ICJ037WB	RES	MB	10/24/2012 15:17
ICJ037WL	ICJ037WL	RES	LCS	10/24/2012 15:34
ICJ037WC	ICJ037WC	RES	LCSD	10/24/2012 15:51
10-23-12 PWB-3	J162-09	RES	Normal sample	10/24/2012 16:43
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/24/2012 17:00
10-23-12 AMW-3RDUP	J162-08D	RES	DUP	10/24/2012 17:17
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/24/2012 17:34
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/24/2012 17:51
10-23-12 PWB-1	J162-07	RES	Normal sample	10/24/2012 18:43
10-23-12 PWB-10	J162-10	RES	Normal sample	10/24/2012 19:00
10-23-12 PWB-6	J162-05I	DL	Normal sample	10/24/2012 19:17
10-23-12 AR-1	J162-06I	DL	Normal sample	10/24/2012 19:34
10-23-12 PWB-3	J162-09I	DL	Normal sample	10/24/2012 22:43
10-23-12 PWB-1	J162-07I	DL	Normal sample	10/24/2012 23:00
10-23-12 PWB-10	J162-10I	DL	Normal sample	10/24/2012 23:17

Matrix ID: AQ Preparation Batch: ICJ039W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ039WL	ICJ039WL	RES	LCS	10/24/2012 23:34
ICJ039WC	ICJ039WC	RES	LCSD	10/24/2012 23:51
ICJ039WB	ICJ039WB	RES	MB	10/25/2012 00:09
10-23-12 AMW-3R	J162-08I	DL	Normal sample	10/25/2012 00:26
10-23-12 AMW-3RDUP	J162-08D	DL	DUP	10/25/2012 00:43
10-23-12 AMW-3RMS	J162-08M	DL	MS	10/25/2012 01:34
10-23-12 AMW-3RMSD	J162-08S	DL	MSD	10/25/2012 01:52
10-23-12 PWB-6	J162-05	RES	Normal sample	10/25/2012 02:09
10-23-12 AR-1	J162-06	RES	Normal sample	10/25/2012 02:26
10-24-12 BBW-1	J162-01	RES	Normal sample	10/25/2012 05:17
10-24-12 BBW-2	J162-02	RES	Normal sample	10/25/2012 05:35
10-24-12 BBW-3	J162-03	RES	Normal sample	10/25/2012 05:52
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/25/2012 06:09
10-24-12 BBW-1	J162-01I	DL	Normal sample	10/25/2012 06:26
10-24-12 BBW-2	J162-02I	DL	Normal sample	10/25/2012 06:43
10-24-12 BBW-3	J162-03I	DL	Normal sample	10/25/2012 07:00
10-24-12 FDUP-1	J162-04I	DL	Normal sample	10/25/2012 07:17

Method: 415.1

Matrix ID: AQ **Preparation Batch: TCJ006W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ006WB	TCJ006WB	RES	MB	10/26/2012 15:38
TCJ006WL	TCJ006WL	RES	LCS	10/26/2012 15:51
TCJ006WC	TCJ006WC	RES	LCSD	10/26/2012 16:04
10-24-12 BBW-1	J162-01	RES	Normal sample	10/26/2012 16:30
10-24-12 BBW-2	J162-02	RES	Normal sample	10/26/2012 16:41
10-24-12 BBW-3	J162-03	RES	Normal sample	10/26/2012 16:52
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/26/2012 17:02
10-23-12 PWB-6	J162-05	RES	Normal sample	10/26/2012 17:13
10-23-12 AR-1	J162-06	RES	Normal sample	10/26/2012 17:23
10-23-12 PWB-1	J162-07	RES	Normal sample	10/26/2012 17:56
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/26/2012 18:06
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/26/2012 18:19
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/26/2012 18:31
10-23-12 PWB-3	J162-09	RES	Normal sample	10/26/2012 18:42
10-23-12 PWB-10	J162-10	RES	Normal sample	10/26/2012 18:52

Method: 8151

Matrix ID: AQ **Preparation Batch: HEJ008W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ008WB	HEJ008WB	RES	MB	10/29/2012 16:09
HEJ008WL	HEJ008WL	RES	LCS	10/29/2012 16:29
HEJ008WC	HEJ008WC	RES	LCSD	10/29/2012 16:49
10-24-12 BBW-1	J162-01	RES	Normal sample	10/29/2012 17:09
10-24-12 BBW-2	J162-02	RES	Normal sample	10/29/2012 18:10
10-24-12 BBW-3	J162-03	RES	Normal sample	10/29/2012 18:30
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/29/2012 18:50
10-23-12 PWB-6	J162-05	RES	Normal sample	10/29/2012 19:10
10-23-12 AR-1	J162-06	RES	Normal sample	10/29/2012 19:30
10-23-12 PWB-1	J162-07	RES	Normal sample	10/29/2012 19:51
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/29/2012 20:11
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/29/2012 20:31
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/29/2012 20:52
10-23-12 PWB-3	J162-09	RES	Normal sample	10/29/2012 21:12
10-23-12 PWB-10	J162-10	RES	Normal sample	10/29/2012 22:13

Method: 8260B

Matrix ID: AQ **Preparation Batch: VO67J20**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67J20L	VO67J20L	RES	LCS	10/26/2012 11:01
VO67J20C	VO67J20C	RES	LCSD	10/26/2012 11:33
VO67J20B	VO67J20B	RES	MB	10/26/2012 12:32
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/26/2012 13:05
10-24-12 BBW-1	J162-01	RES	Normal sample	10/26/2012 13:35
10-24-12 BBW-2	J162-02	RES	Normal sample	10/26/2012 14:05
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/26/2012 15:35
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/26/2012 16:45
10-24-12 BBW-3	J162-03	RES	Normal sample	10/26/2012 17:44
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/26/2012 18:15
10-23-12 PWB-6	J162-05	RES	Normal sample	10/26/2012 18:46
10-23-12 AR-1	J162-06	RES	Normal sample	10/26/2012 19:15
10-23-12 PWB-1	J162-07	RES	Normal sample	10/26/2012 19:47
10-23-12 PWB-3	J162-09	RES	Normal sample	10/26/2012 20:17
10-23-12 PWB-10	J162-10	RES	Normal sample	10/26/2012 20:47

Method: 8260B SIM

Matrix ID: AQ **Preparation Batch: VO05J21**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J21L	VO05J21L	RES	LCS	10/29/2012 08:37
VO05J21C	VO05J21C	RES	LCSD	10/29/2012 09:06
VO05J21B	VO05J21B	RES	MB	10/29/2012 09:35
10-24-12 BBW-1	J162-01	RES	Normal sample	10/29/2012 10:06
10-24-12 BBW-2	J162-02	RES	Normal sample	10/29/2012 10:36
10-24-12 BBW-3	J162-03	RES	Normal sample	10/29/2012 11:07
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/29/2012 11:36
10-23-12 PWB-6	J162-05	RES	Normal sample	10/29/2012 12:05
10-23-12 AR-1	J162-06	RES	Normal sample	10/29/2012 12:34
10-23-12 PWB-1	J162-07	RES	Normal sample	10/29/2012 13:03
10-23-12 PWB-3	J162-09	RES	Normal sample	10/29/2012 13:35
10-23-12 PWB-10	J162-10	RES	Normal sample	10/29/2012 14:04
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/29/2012 14:33
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/29/2012 15:03
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/29/2012 15:32

Method: FE3500

Matrix ID: AQ **Preparation Batch: FEJ004W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
10-23-12 AMW-3RDUP	J162-08D	RES	DUP	10/24/2012 18:01
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/24/2012 18:01
FEJ004WL	FEJ004WL	RES	LCS	10/24/2012 18:01
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/24/2012 18:01
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/24/2012 18:01
FEJ004WC	FEJ004WC	RES	LCSD	10/24/2012 18:01
10-23-12 PWB-10	J162-10	RES	Normal sample	10/24/2012 18:01
FEJ004WB	FEJ004WB	RES	MB	10/24/2012 18:01
10-23-12 PWB-6	J162-05	RES	Normal sample	10/24/2012 18:01
10-23-12 AR-1	J162-06	RES	Normal sample	10/24/2012 18:01
10-24-12 BBW-1	J162-01	RES	Normal sample	10/24/2012 18:01
10-23-12 PWB-3	J162-09	RES	Normal sample	10/24/2012 18:01
10-23-12 PWB-1	J162-07	RES	Normal sample	10/24/2012 18:01
10-24-12 BBW-2	J162-02	RES	Normal sample	10/24/2012 18:01
10-24-12 BBW-3	J162-03	RES	Normal sample	10/24/2012 18:01
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/24/2012 18:01

Method: SM4500S2D

Matrix ID: AQ **Preparation Batch: SFJ011W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFJ011WL	SFJ011WL	RES	LCS	10/29/2012 15:50
SFJ011WC	SFJ011WC	RES	LCSD	10/29/2012 15:50
SFJ011WB	SFJ011WB	RES	MB	10/29/2012 15:50
10-24-12 BBW-3	J162-03	RES	Normal sample	10/29/2012 15:51
10-23-12 AR-1	J162-06	RES	Normal sample	10/29/2012 15:51
10-24-12 BBW-2	J162-02	RES	Normal sample	10/29/2012 15:51
10-23-12 PWB-1	J162-07	RES	Normal sample	10/29/2012 15:51
10-24-12 BBW-1	J162-01	RES	Normal sample	10/29/2012 15:51
10-24-12 FDUP-1	J162-04	RES	Normal sample	10/29/2012 15:51
10-23-12 PWB-6	J162-05	RES	Normal sample	10/29/2012 15:51
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/29/2012 15:52
10-23-12 AMW-3R	J162-08	RES	Normal sample	10/29/2012 15:52
10-23-12 PWB-3	J162-09	RES	Normal sample	10/29/2012 15:52
10-23-12 AMW-3RDUP	J162-08D	RES	DUP	10/29/2012 15:52
10-23-12 PWB-10	J162-10	RES	Normal sample	10/29/2012 15:53

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 12J162

Method: 300.0

Matrix ID: AQ Method Batch: ICJ037W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ037WL	ICJ037WL	RES	LCS	10/24/2012 15:34
ICJ037WC	ICJ037WC	RES	LCSD	10/24/2012 15:51
10-23-12 PWB-3	J162-09	RES		10/24/2012 16:43
10-23-12 AMW-3R	J162-08	RES		10/24/2012 17:00
10-23-12 AMW-3RDUP	J162-08D	RES	DUP	10/24/2012 17:17
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/24/2012 17:34
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/24/2012 17:51
10-23-12 PWB-1	J162-07	RES		10/24/2012 18:43
10-23-12 PWB-10	J162-10	RES		10/24/2012 19:00
10-23-12 PWB-6	J162-05I	DL		10/24/2012 19:17
10-23-12 AR-1	J162-06I	DL		10/24/2012 19:34
10-23-12 PWB-3	J162-09I	DL		10/24/2012 22:43
10-23-12 PWB-1	J162-07I	DL		10/24/2012 23:00
10-23-12 PWB-10	J162-10I	DL		10/24/2012 23:17

Matrix ID: AQ Method Batch: ICJ039W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ039WL	ICJ039WL	RES	LCS	10/24/2012 23:34
ICJ039WC	ICJ039WC	RES	LCSD	10/24/2012 23:51
10-23-12 AMW-3R	J162-08I	DL		10/25/2012 00:26
10-23-12 AMW-3RDUP	J162-08D	DL	DUP	10/25/2012 00:43
10-23-12 AMW-3RMS	J162-08M	DL	MS	10/25/2012 01:34
10-23-12 AMW-3RMSD	J162-08S	DL	MSD	10/25/2012 01:52
10-23-12 PWB-6	J162-05	RES		10/25/2012 02:09
10-23-12 AR-1	J162-06	RES		10/25/2012 02:26
10-24-12 BBW-1	J162-01	RES		10/25/2012 05:17
10-24-12 BBW-2	J162-02	RES		10/25/2012 05:35
10-24-12 BBW-3	J162-03	RES		10/25/2012 05:52
10-24-12 FDUP-1	J162-04	RES		10/25/2012 06:09
10-24-12 BBW-1	J162-01I	DL		10/25/2012 06:26
10-24-12 BBW-2	J162-02I	DL		10/25/2012 06:43
10-24-12 BBW-3	J162-03I	DL		10/25/2012 07:00
10-24-12 FDUP-1	J162-04I	DL		10/25/2012 07:17

Method: 415.1

Matrix ID: AQ Method Batch: TCJ006W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ006WL	TCJ006WL	RES	LCS	10/26/2012 15:51
TCJ006WC	TCJ006WC	RES	LCSD	10/26/2012 16:04
10-24-12 BBW-1	J162-01	RES		10/26/2012 16:30
10-24-12 BBW-2	J162-02	RES		10/26/2012 16:41
10-24-12 BBW-3	J162-03	RES		10/26/2012 16:52
10-24-12 FDUP-1	J162-04	RES		10/26/2012 17:02
10-23-12 PWB-6	J162-05	RES		10/26/2012 17:13
10-23-12 AR-1	J162-06	RES		10/26/2012 17:23
10-23-12 PWB-1	J162-07	RES		10/26/2012 17:56
10-23-12 AMW-3R	J162-08	RES		10/26/2012 18:06
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/26/2012 18:19
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/26/2012 18:31
10-23-12 PWB-3	J162-09	RES		10/26/2012 18:42
10-23-12 PWB-10	J162-10	RES		10/26/2012 18:52

Method: 8151

Matrix ID: AQ Method Batch: HEJ008W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ008WL	HEJ008WL	RES	LCS	10/29/2012 16:29
HEJ008WC	HEJ008WC	RES	LCSD	10/29/2012 16:49
10-24-12 BBW-1	J162-01	RES		10/29/2012 17:09
10-24-12 BBW-2	J162-02	RES		10/29/2012 18:10
10-24-12 BBW-3	J162-03	RES		10/29/2012 18:30
10-24-12 FDUP-1	J162-04	RES		10/29/2012 18:50
10-23-12 PWB-6	J162-05	RES		10/29/2012 19:10
10-23-12 AR-1	J162-06	RES		10/29/2012 19:30
10-23-12 PWB-1	J162-07	RES		10/29/2012 19:51
10-23-12 AMW-3R	J162-08	RES		10/29/2012 20:11
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/29/2012 20:31
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/29/2012 20:52
10-23-12 PWB-3	J162-09	RES		10/29/2012 21:12
10-23-12 PWB-10	J162-10	RES		10/29/2012 22:13

Method: 8260B

Matrix ID: AQ Method Batch: VO67J20

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO67J20L	VO67J20L	RES	LCS	10/26/2012 11:01
VO67J20C	VO67J20C	RES	LCSD	10/26/2012 11:33
10-23-12 AMW-3R	J162-08	RES		10/26/2012 13:05
10-24-12 BBW-1	J162-01	RES		10/26/2012 13:35
10-24-12 BBW-2	J162-02	RES		10/26/2012 14:05
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/26/2012 15:35
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/26/2012 16:45
10-24-12 BBW-3	J162-03	RES		10/26/2012 17:44
10-24-12 FDUP-1	J162-04	RES		10/26/2012 18:15
10-23-12 PWB-6	J162-05	RES		10/26/2012 18:46
10-23-12 AR-1	J162-06	RES		10/26/2012 19:15
10-23-12 PWB-1	J162-07	RES		10/26/2012 19:47
10-23-12 PWB-3	J162-09	RES		10/26/2012 20:17
10-23-12 PWB-10	J162-10	RES		10/26/2012 20:47

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO05J21

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J21L	VO05J21L	RES	LCS	10/29/2012 08:37
VO05J21C	VO05J21C	RES	LCSD	10/29/2012 09:06
10-24-12 BBW-1	J162-01	RES		10/29/2012 10:06
10-24-12 BBW-2	J162-02	RES		10/29/2012 10:36
10-24-12 BBW-3	J162-03	RES		10/29/2012 11:07
10-24-12 FDUP-1	J162-04	RES		10/29/2012 11:36
10-23-12 PWB-6	J162-05	RES		10/29/2012 12:05
10-23-12 AR-1	J162-06	RES		10/29/2012 12:34
10-23-12 PWB-1	J162-07	RES		10/29/2012 13:03
10-23-12 PWB-3	J162-09	RES		10/29/2012 13:35
10-23-12 PWB-10	J162-10	RES		10/29/2012 14:04
10-23-12 AMW-3R	J162-08	RES		10/29/2012 14:33
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/29/2012 15:03
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/29/2012 15:32

Method: FE3500

Matrix ID: AQ Method Batch: FEJ004W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
10-23-12 AMW-3R	J162-08	RES		10/24/2012 18:01
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/24/2012 18:01
10-23-12 AMW-3RDUP	J162-08D	RES	DUP	10/24/2012 18:01
FEJ004WC	FEJ004WC	RES	LCSD	10/24/2012 18:01
10-24-12 FDUP-1	J162-04	RES		10/24/2012 18:01
10-23-12 AMW-3RMSD	J162-08S	RES	MSD	10/24/2012 18:01
10-24-12 BBW-1	J162-01	RES		10/24/2012 18:01
10-24-12 BBW-3	J162-03	RES		10/24/2012 18:01
10-23-12 PWB-3	J162-09	RES		10/24/2012 18:01
10-24-12 BBW-2	J162-02	RES		10/24/2012 18:01
FEJ004WL	FEJ004WL	RES	LCS	10/24/2012 18:01
10-23-12 PWB-10	J162-10	RES		10/24/2012 18:01
10-23-12 PWB-1	J162-07	RES		10/24/2012 18:01
10-23-12 AR-1	J162-06	RES		10/24/2012 18:01
10-23-12 PWB-6	J162-05	RES		10/24/2012 18:01

Method: SM4500S2D

Matrix ID: AQ Method Batch: SFJ011W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFJ011WC	SFJ011WC	RES	LCSD	10/29/2012 15:50
SFJ011WL	SFJ011WL	RES	LCS	10/29/2012 15:50
10-24-12 FDUP-1	J162-04	RES		10/29/2012 15:51
10-24-12 BBW-3	J162-03	RES		10/29/2012 15:51
10-24-12 BBW-2	J162-02	RES		10/29/2012 15:51
10-24-12 BBW-1	J162-01	RES		10/29/2012 15:51
10-23-12 PWB-6	J162-05	RES		10/29/2012 15:51
10-23-12 PWB-1	J162-07	RES		10/29/2012 15:51
10-23-12 AR-1	J162-06	RES		10/29/2012 15:51
10-23-12 PWB-3	J162-09	RES		10/29/2012 15:52
10-23-12 AMW-3R	J162-08	RES		10/29/2012 15:52
10-23-12 AMW-3RMS	J162-08M	RES	MS	10/29/2012 15:52
10-23-12 AMW-3RDUP	J162-08D	RES	DUP	10/29/2012 15:52
10-23-12 PWB-10	J162-10	RES		10/29/2012 15:53

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J162 **Laboratory :** EMXT **Lab Report Date :** 12/06/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
300.0									
	10-23-12 AMW-3R	J162-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
		J162-08I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
	10-23-12 AR-1	J162-06	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J162-06I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-1	J162-07	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
		J162-07I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-10	J162-10	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
		J162-10I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-3	J162-09	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
		J162-09I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-6	J162-05	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J162-05I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-24-12 BBW-1	J162-01	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J162-01I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 BBW-2	J162-02	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J162-02I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 BBW-3	J162-03	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J162-03I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 FDUP-1	J162-04	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J162-04I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
415.1									
	10-23-12 AMW-3R	J162-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 AR-1	J162-06		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-1	J162-07		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-10	J162-10		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-3	J162-09		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-6	J162-05		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-24-12 BBW-1	J162-01		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 BBW-2	J162-02		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 BBW-3	J162-03		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 FDUP-1	J162-04		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J162 **Laboratory :** EMXT **Lab Report Date :** 12/06/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
8151									
	10-23-12 AMW-3R	J162-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012	10/27/2012	10/29/2012
	10-23-12 AR-1	J162-06		GEN PREP	AQ	10/23/2012	10/24/2012	10/27/2012	10/29/2012
	10-23-12 PWB-1	J162-07		GEN PREP	AQ	10/23/2012	10/24/2012	10/27/2012	10/29/2012
	10-23-12 PWB-10	J162-10		GEN PREP	AQ	10/23/2012	10/24/2012	10/27/2012	10/29/2012
	10-23-12 PWB-3	J162-09		GEN PREP	AQ	10/23/2012	10/24/2012	10/27/2012	10/29/2012
	10-23-12 PWB-6	J162-05		GEN PREP	AQ	10/23/2012	10/24/2012	10/27/2012	10/29/2012
	10-24-12 BBW-1	J162-01		GEN PREP	AQ	10/24/2012	10/24/2012	10/27/2012	10/29/2012
	10-24-12 BBW-2	J162-02		GEN PREP	AQ	10/24/2012	10/24/2012	10/27/2012	10/29/2012
	10-24-12 BBW-3	J162-03		GEN PREP	AQ	10/24/2012	10/24/2012	10/27/2012	10/29/2012
	10-24-12 FDUP-1	J162-04		GEN PREP	AQ	10/24/2012	10/24/2012	10/27/2012	10/29/2012
8260B									
	10-23-12 AMW-3R	J162-08	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 AR-1	J162-06		5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 PWB-1	J162-07		5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 PWB-10	J162-10		5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 PWB-3	J162-09		5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 PWB-6	J162-05		5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 BBW-1	J162-01		5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 BBW-2	J162-02		5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 BBW-3	J162-03		5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 FDUP-1	J162-04		5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
8260B SIM									
	10-23-12 AMW-3R	J162-08	RES	5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 AR-1	J162-06		5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-1	J162-07		5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-10	J162-10		5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-3	J162-09		5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-6	J162-05		5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-24-12 BBW-1	J162-01		5030B	AQ	10/24/2012	10/24/2012	10/29/2012	10/29/2012
	10-24-12 BBW-2	J162-02		5030B	AQ	10/24/2012	10/24/2012	10/29/2012	10/29/2012
	10-24-12 BBW-3	J162-03		5030B	AQ	10/24/2012	10/24/2012	10/29/2012	10/29/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J162 **Laboratory :** EMXT **Lab Report Date :** 12/06/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	10-24-12 FDUP-1	J162-04	RES	5030B	AQ	10/24/2012	10/24/2012	10/29/2012	10/29/2012
FE3500									
	10-23-12 AMW-3R	J162-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 AR-1	J162-06		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-1	J162-07		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-10	J162-10		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-3	J162-09		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-6	J162-05		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-24-12 BBW-1	J162-01		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 BBW-2	J162-02		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 BBW-3	J162-03		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 FDUP-1	J162-04		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
SM4500S2D									
	10-23-12 AMW-3R	J162-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 AR-1	J162-06		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-1	J162-07		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-10	J162-10		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-3	J162-09		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-6	J162-05		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-24-12 BBW-1	J162-01		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 BBW-2	J162-02		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 BBW-3	J162-03		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 FDUP-1	J162-04		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012

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

Lab Report Batch: 12J162 **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	10-24-12 BBW-3	RES	10	U	10-24-12 FDUP-1	RES	5.6	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-10-425 - BROWN & BRYANT SUPERFUND SITE***

Reporting Limits Outlier Report

Lab Report Batch: 12J162 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
10-23-12 AMW-3R	J162-08	415.1	AQ	TOC	J	0.951	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.32	1.00	UG/L
10-23-12 AR-1	J162-06	415.1	AQ	TOC	J	0.820	1.00	MG/L
10-23-12 PWB-1	J162-07	415.1	AQ	TOC	J	0.794	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.25	1.00	UG/L
10-23-12 PWB-10	J162-10	415.1	AQ	TOC	J	0.772	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.41	1.00	UG/L
				CARBON TETRACHLORIDE	J	0.64	1.00	UG/L
10-23-12 PWB-3	J162-09	415.1	AQ	TOC	J	0.683	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.25	1.00	UG/L
10-23-12 PWB-6	J162-05	415.1	AQ	TOC	J	0.564	1.00	MG/L
		8260B SIM		1,2,3-TRICHLOROPROPANE	J	0.0027	0.01	UG/L
10-24-12 BBW-1	J162-01	415.1	AQ	TOC	J	0.614	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.51	1.00	UG/L
10-24-12 BBW-2	J162-02	415.1	AQ	TOC	J	0.840	1.00	MG/L
		8260B		1,2,3-TRICHLOROPROPANE	J	0.51	1.00	UG/L
				1,2-DICHLOROPROPANE	J	0.67	1.00	UG/L
				ACETONE	J	6.0	10.00	UG/L
10-24-12 BBW-3	J162-03	415.1	AQ	TOC	J	0.725	1.00	MG/L
		8260B		CHLOROFORM	J	0.39	1.00	UG/L
				TOLUENE	J	0.25	1.00	UG/L
10-24-12 FDUP-1	J162-04	415.1	AQ	TOC	J	0.567	1.00	MG/L
		8260B		ACETONE	J	5.6	10.00	UG/L
				CHLOROFORM	J	0.41	1.00	UG/L
				TOLUENE	J	0.24	1.00	UG/L

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

Client Sample ID : 10-23-12 AMW-3R **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-08

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	0.951	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	0.32	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 : 10-23-12 AMW-3R **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-08

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	1.3	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 : 10-23-12 AMW-3R **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-08

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	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	0.21	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 : 10-23-12 AMW-3R **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-08

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 : 10-23-12 AMW-3R **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-08I

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	29.2	MG/L		YES															
SULFATE	187	MG/L		YES															

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

Client Sample ID : 10-23-12 AR-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-06

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***																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : ***415.1***																			
TOC	0.820	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 : 10-23-12 AR-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-06

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***																			
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 : 10-23-12 AR-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-06

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***																			
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	0.14	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 : 10-23-12 AR-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-06

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-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 : 10-23-12 AR-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-06I

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	29.7	MG/L		YES															
SULFATE	232	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-07

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	0.794	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	0.25	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 : 10-23-12 PWB-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-07

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 : 10-23-12 PWB-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-07

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	0.15	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 : 10-23-12 PWB-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-07

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 : 10-23-12 PWB-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-07I

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	27.5	MG/L		YES															
SULFATE	162	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-10 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-10

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	0.772	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	0.41	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 : 10-23-12 PWB-10 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-10

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	0.64	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 : 10-23-12 PWB-10 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-10

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	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	0.49	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 : 10-23-12 PWB-10 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-10

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	0.1	MG/L	U	YES															

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

Client Sample ID : 10-23-12 PWB-10 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-10I

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	29.4	MG/L		YES															
SULFATE	146	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-09

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	0.683	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	0.25	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 : 10-23-12 PWB-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-09

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	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 : 10-23-12 PWB-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-09

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															
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															
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 : 10-23-12 PWB-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-09

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 : 10-23-12 PWB-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-09I

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	23.8	MG/L		YES															
SULFATE	85.3	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-6 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-05

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	0.564	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 : 10-23-12 PWB-6 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-05

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	1.0	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 : 10-23-12 PWB-6 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-05

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	0.0027	UG/L	J	YES	**J**								J						L
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 : 10-23-12 PWB-6 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-05

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 : 10-23-12 PWB-6 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-05I

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	11.8	MG/L		YES															
SULFATE	136	MG/L		YES															

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

Client Sample ID : 10-24-12 BBW-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-01

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	0.614	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	0.51	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 : 10-24-12 BBW-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-01

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*																			
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 : 10-24-12 BBW-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-01

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	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	0.44	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 : 10-24-12 BBW-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-01

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 : 10-24-12 BBW-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-01I

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	25.0	MG/L		YES															
SULFATE	73.0	MG/L		YES															

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

Client Sample ID : 10-24-12 BBW-2 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-02

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	0.840	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	0.51	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	0.67	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 : 10-24-12 BBW-2 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-02

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	6.0	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 : 10-24-12 BBW-2 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-02

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	1.0	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	0.74	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 : 10-24-12 BBW-2 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-02

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 : 10-24-12 BBW-2 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-02I

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	18.6	MG/L		YES															
SULFATE	152	MG/L		YES															

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

Client Sample ID : 10-24-12 BBW-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-03

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	0.725	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 : 10-24-12 BBW-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-03

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
1,3-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	2.6	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 : 10-24-12 BBW-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-03

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	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	0.25	UG/L	J	YES	**J**								J						L
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	0.020	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 : 10-24-12 BBW-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-03

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 : 10-24-12 BBW-3 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-03I

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	35.9	MG/L		YES															
SULFATE	183	MG/L		YES															

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

Client Sample ID : 10-24-12 FDUP-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-04

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	0.567	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 : 10-24-12 FDUP-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-04

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
1,3-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	5.6	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	3.2	UG/L		YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	0.41	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 : 10-24-12 FDUP-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-04

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															
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	0.24	UG/L	J	YES	**J**								J						L
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	0.018	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 : 10-24-12 FDUP-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J162-04

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															
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 : 10-24-12 FDUP-1 **Lab Report Batch :** 12J162 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J162-04I

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	35.7	MG/L		YES															
SULFATE	181	MG/L		YES															

Automatic Data Validation Report

Biannually
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # 12J163

October, 2012

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	Percent Recovery 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: 12J163

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:16**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	6
0004	0
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	14
0031	0
0032	0
0033	0
0034	2
0035	0
0036	0
0037	0
0038	0

Total : 24

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J163

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:16**

Field or Record Errors

Table	Record	Field	Type	Description	Lab Comments
A3	73	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method 300.0 is measured in hours.	
A3	78	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method FE3500 is measured in hours.	
A3	80	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method 300.0 is measured in hours.	
A3	82	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method FE3500 is measured in hours.	
A3	83	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method FE3500 is measured in hours.	
A3	84	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method FE3500 is measured in hours.	

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	1431	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J19C, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1502	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J19L, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch ICJ039W in method 300.0.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch ICJ037W 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 VO06J19 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch ICJ041W in method 300.0.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch SFJ010W in method SM4500S2D.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch TCJ006W in method 415.1.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J163

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:16**

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 TCJ007W in method 415.1.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO05J20 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO05J21 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO06J19 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch HEJ009W in method 8151.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO05J20 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 VO05J21 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch HEJ009W in method 8151.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3		Project Number	0025	The project name "BROWN & BRYANT SUPERFUND SITE" 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-10-425" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J163

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:16**

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: 12J163

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:16**

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 : 12J163 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-24-12 EB-1	**EB**	10-23-12 AMW-4R	10/23/2012 12:40
		10-23-12 PWB-11	10/23/2012 15:52
		10-23-12 PWB-16	10/23/2012 15:01
		10-23-12 PWB-5	10/23/2012 14:32
		10-23-12 PWB-8	10/23/2012 13:20
		10-23-12 PWB-9	10/23/2012 13:20
		10-23-12 WB 2-1	10/23/2012 15:06
		10-23-12 WB 2-4	10/23/2012 10:56
		10-24-12 FDUP-2	10/24/2012 00:00
		10-24-12 PWB-12	10/24/2012 09:22
		10-24-12 PWB-13A	10/24/2012 08:44
		10-24-12 PWB-14	10/24/2012 08:06
		10-24-12 PWB-4	10/24/2012 10:00
10-24-12 FDUP-2	**FD**	10-24-12 PWB-4	10/24/2012 10:00
10-23-12 TB-1	**TB**	10-23-12 AMW-4R	10/23/2012 12:40
		10-23-12 PWB-11	10/23/2012 15:52
		10-23-12 PWB-16	10/23/2012 15:01
		10-23-12 PWB-5	10/23/2012 14:32
		10-23-12 PWB-8	10/23/2012 13:20
		10-23-12 PWB-9	10/23/2012 13:20
		10-23-12 WB 2-1	10/23/2012 15:06
		10-23-12 WB 2-4	10/23/2012 10:56
		10-24-12 EB-1	10/24/2012 11:21
		10-24-12 FDUP-2	10/24/2012 00:00
		10-24-12 PWB-12	10/24/2012 09:22
		10-24-12 PWB-13A	10/24/2012 08:44
		10-24-12 PWB-14	10/24/2012 08:06
		10-24-12 PWB-4	10/24/2012 10:00

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: 12J163

Method: 300.0

Matrix ID: AQ Preparation Batch: ICJ037W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ037WB	ICJ037WB	RES	MB	10/24/2012 15:17
ICJ037WL	ICJ037WL	RES	LCS	10/24/2012 15:34
ICJ037WC	ICJ037WC	RES	LCSD	10/24/2012 15:51
10-23-12 WB 2-4	J163-02I	DL	Normal sample	10/24/2012 19:51
10-23-12 AMW-4R	J163-01I	DL	Normal sample	10/24/2012 20:08
10-23-12 PWB-9	J163-05I	DL	Normal sample	10/24/2012 20:26
10-23-12 PWB-8	J163-08I	DL	Normal sample	10/24/2012 20:43
10-23-12 PWB-5	J163-07I	DL	Normal sample	10/24/2012 21:00
10-23-12 WB 2-1	J163-04I	DL	Normal sample	10/24/2012 21:17
10-23-12 PWB-16	J163-09	RES	Normal sample	10/24/2012 22:09
10-23-12 PWB-11	J163-06I	DL	Normal sample	10/24/2012 22:26

Matrix ID: AQ Preparation Batch: ICJ039W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ039WL	ICJ039WL	RES	LCS	10/24/2012 23:34
ICJ039WC	ICJ039WC	RES	LCSD	10/24/2012 23:51
ICJ039WB	ICJ039WB	RES	MB	10/25/2012 00:09
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/25/2012 02:43
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/25/2012 03:00
10-23-12 PWB-9	J163-05	RES	Normal sample	10/25/2012 03:17
10-23-12 PWB-8	J163-08	RES	Normal sample	10/25/2012 03:34
10-23-12 PWB-5	J163-07	RES	Normal sample	10/25/2012 03:52
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/25/2012 04:09
10-23-12 PWB-11	J163-06	RES	Normal sample	10/25/2012 05:00
10-24-12 PWB-12	J163-10I	DL	Normal sample	10/25/2012 07:35
10-24-12 PWB-12	J163-10	RES	Normal sample	10/25/2012 08:26

Matrix ID: AQ Preparation Batch: ICJ041W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ041WL	ICJ041WL	RES	LCS	10/25/2012 08:43
ICJ041WC	ICJ041WC	RES	LCSD	10/25/2012 09:00
ICJ041WB	ICJ041WB	RES	MB	10/25/2012 09:18
10-24-12 PWB-4	J163-11	RES	Normal sample	10/25/2012 09:35
10-24-12 PWB-13A	J163-12	RES	Normal sample	10/25/2012 09:52
10-24-12 PWB-14	J163-13	RES	Normal sample	10/25/2012 10:09
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/25/2012 10:26

Method: 300.0

Matrix ID: AQ Preparation Batch: ICJ041W

10-24-12 PWB-4	J163-11I	DL	Normal sample	10/25/2012 10:43
10-24-12 PWB-13A	J163-12I	DL	Normal sample	10/25/2012 11:00
10-24-12 PWB-14	J163-13I	DL	Normal sample	10/25/2012 11:52
10-24-12 FDUP-2	J163-14I	DL	Normal sample	10/25/2012 12:09
10-23-12 PWB-16	J163-09I	DL	Normal sample	10/25/2012 14:26

Method: 415.1

Matrix ID: AQ Preparation Batch: TCJ006W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ006WB	TCJ006WB	RES	MB	10/26/2012 15:38
TCJ006WL	TCJ006WL	RES	LCS	10/26/2012 15:51
TCJ006WC	TCJ006WC	RES	LCSD	10/26/2012 16:04
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/26/2012 20:09
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/26/2012 20:19
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/26/2012 20:30
10-23-12 PWB-9	J163-05	RES	Normal sample	10/26/2012 20:40
10-23-12 PWB-11	J163-06	RES	Normal sample	10/26/2012 20:51
10-23-12 PWB-5	J163-07	RES	Normal sample	10/26/2012 21:01

Matrix ID: AQ Preparation Batch: TCJ007W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ007WL	TCJ007WL	RES	LCS	10/26/2012 21:14
TCJ007WC	TCJ007WC	RES	LCSD	10/26/2012 21:27
TCJ007WB	TCJ007WB	RES	MB	10/26/2012 21:38
10-23-12 PWB-8	J163-08	RES	Normal sample	10/26/2012 21:49
10-23-12 PWB-16	J163-09	RES	Normal sample	10/26/2012 22:23
10-24-12 PWB-12	J163-10	RES	Normal sample	10/26/2012 22:34
10-24-12 PWB-4	J163-11	RES	Normal sample	10/26/2012 22:45
10-24-12 PWB-13A	J163-12	RES	Normal sample	10/26/2012 22:55
10-24-12 PWB-14	J163-13	RES	Normal sample	10/26/2012 23:06
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/26/2012 23:16

Method: 8151

Matrix ID: AQ **Preparation Batch: HEJ009W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ009WB	HEJ009WB	RES	MB	10/30/2012 18:03
HEJ009WL	HEJ009WL	RES	LCS	10/30/2012 18:23
HEJ009WC	HEJ009WC	RES	LCSD	10/30/2012 18:43
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/30/2012 19:03
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/30/2012 19:23
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/30/2012 19:43
10-23-12 PWB-9	J163-05	RES	Normal sample	10/30/2012 20:04
10-23-12 PWB-11	J163-06	RES	Normal sample	10/30/2012 20:24
10-23-12 PWB-5	J163-07	RES	Normal sample	10/30/2012 20:45
10-23-12 PWB-8	J163-08	RES	Normal sample	10/30/2012 21:05
10-23-12 PWB-16	J163-09	RES	Normal sample	10/30/2012 22:06
10-24-12 PWB-4	J163-11	RES	Normal sample	10/30/2012 22:47
10-24-12 PWB-14	J163-13	RES	Normal sample	10/30/2012 23:28
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/30/2012 23:48
10-24-12 PWB-12	J163-10J	RES	Normal sample	10/31/2012 14:08
10-24-12 PWB-13A	J163-12J	RES	Normal sample	10/31/2012 14:28

Method: 8260B

Matrix ID: AQ **Preparation Batch: VO06J19**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J19L	VO06J19L	RES	LCS	10/25/2012 15:23
VO06J19C	VO06J19C	RES	LCSD	10/25/2012 15:53
VO06J19B	VO06J19B	RES	MB	10/25/2012 16:52
10-23-12 TB-1	J163-03	RES	Normal sample	10/25/2012 17:23
10-24-12 EB-1	J163-15	RES	Normal sample	10/25/2012 17:53
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/25/2012 18:24
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/25/2012 18:53
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/25/2012 19:24
10-23-12 PWB-9	J163-05	RES	Normal sample	10/25/2012 19:54
10-23-12 PWB-11	J163-06	RES	Normal sample	10/25/2012 20:24
10-23-12 PWB-5	J163-07	RES	Normal sample	10/25/2012 20:54
10-23-12 PWB-8	J163-08	RES	Normal sample	10/25/2012 21:24
10-23-12 PWB-16	J163-09	RES	Normal sample	10/25/2012 21:54
10-24-12 PWB-12	J163-10	RES	Normal sample	10/25/2012 22:24
10-24-12 PWB-4	J163-11	RES	Normal sample	10/25/2012 22:54
10-24-12 PWB-13A	J163-12	RES	Normal sample	10/25/2012 23:24
10-24-12 PWB-14	J163-13	RES	Normal sample	10/25/2012 23:54
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/26/2012 00:25

Method: 8260B SIM

Matrix ID: AQ Preparation Batch: VO05J20

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J20L	VO05J20L	RES	LCS	10/26/2012 08:48
VO05J20C	VO05J20C	RES	LCSD	10/26/2012 09:17
VO05J20B	VO05J20B	RES	MB	10/26/2012 09:45
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/26/2012 10:14
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/26/2012 10:43
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/26/2012 11:13
10-23-12 PWB-9	J163-05	RES	Normal sample	10/26/2012 11:42
10-23-12 PWB-11	J163-06	RES	Normal sample	10/26/2012 12:12
10-23-12 PWB-5	J163-07	RES	Normal sample	10/26/2012 12:40
10-23-12 PWB-8	J163-08	RES	Normal sample	10/26/2012 13:10
10-23-12 PWB-16	J163-09	RES	Normal sample	10/26/2012 13:42
10-24-12 PWB-12	J163-10	RES	Normal sample	10/26/2012 14:11
10-24-12 PWB-4	J163-11	RES	Normal sample	10/26/2012 14:41
10-24-12 PWB-13A	J163-12	RES	Normal sample	10/26/2012 15:11
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/26/2012 15:40
10-24-12 PWB-14	J163-13	RES	Normal sample	10/26/2012 16:09
10-24-12 PWB-14	J163-13T	DL	Normal sample	10/26/2012 16:40
10-24-12 PWB-12	J163-10T	DL	Normal sample	10/26/2012 17:09
10-24-12 PWB-13A	J163-12T	DL	Normal sample	10/26/2012 17:38
10-23-12 WB 2-1	J163-04T	DL	Normal sample	10/26/2012 18:07
10-23-12 PWB-9	J163-05T	DL	Normal sample	10/26/2012 18:36
10-23-12 PWB-11	J163-06T	DL	Normal sample	10/26/2012 19:05

Matrix ID: AQ Preparation Batch: VO05J21

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J21L	VO05J21L	RES	LCS	10/29/2012 08:37
VO05J21C	VO05J21C	RES	LCSD	10/29/2012 09:06
VO05J21B	VO05J21B	RES	MB	10/29/2012 09:35
10-23-12 PWB-5	J163-07T	DL	Normal sample	10/29/2012 16:00
10-23-12 PWB-8	J163-08T	DL	Normal sample	10/29/2012 16:29
10-23-12 PWB-16	J163-09T	DL	Normal sample	10/29/2012 16:58
10-24-12 PWB-4	J163-11T	DL	Normal sample	10/29/2012 17:30
10-24-12 FDUP-2	J163-14T	DL	Normal sample	10/29/2012 17:59

Method: FE3500

Matrix ID: AQ Preparation Batch: FEJ005W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FEJ005WL	FEJ005WL	RES	LCS	10/24/2012 19:08
FEJ005WB	FEJ005WB	RES	MB	10/24/2012 19:08
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/24/2012 19:09
10-23-12 PWB-9	J163-05	RES	Normal sample	10/24/2012 19:09
FEJ005WC	FEJ005WC	RES	LCSD	10/24/2012 19:09
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/24/2012 19:09
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/24/2012 19:09
10-23-12 PWB-11	J163-06	RES	Normal sample	10/24/2012 19:10
10-23-12 PWB-5	J163-07	RES	Normal sample	10/24/2012 19:10
10-23-12 PWB-8	J163-08	RES	Normal sample	10/24/2012 19:11
10-23-12 PWB-16	J163-09	RES	Normal sample	10/24/2012 19:14
10-24-12 PWB-4	J163-11	RES	Normal sample	10/24/2012 19:14
10-24-12 PWB-13A	J163-12	RES	Normal sample	10/24/2012 19:14
10-24-12 PWB-12	J163-10	RES	Normal sample	10/24/2012 19:14
10-24-12 PWB-14	J163-13	RES	Normal sample	10/24/2012 19:15
10-24-12 FDUP-2DUP	J163-14D	RES	DUP	10/24/2012 19:15
10-24-12 FDUP-2MSD	J163-14S	RES	MSD	10/24/2012 19:15
10-24-12 FDUP-2MS	J163-14M	RES	MS	10/24/2012 19:15
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/24/2012 19:15

Method: SM4500S2D

Matrix ID: AQ Preparation Batch: SFJ010W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFJ010WL	SFJ010WL	RES	LCS	10/29/2012 15:28
SFJ010WB	SFJ010WB	RES	MB	10/29/2012 15:28
10-23-12 AMW-4R	J163-01	RES	Normal sample	10/29/2012 15:29
SFJ010WC	SFJ010WC	RES	LCSD	10/29/2012 15:29
10-23-12 WB 2-1	J163-04	RES	Normal sample	10/29/2012 15:29
10-23-12 WB 2-4	J163-02	RES	Normal sample	10/29/2012 15:29
10-23-12 PWB-9	J163-05	RES	Normal sample	10/29/2012 15:29
10-23-12 PWB-11	J163-06	RES	Normal sample	10/29/2012 15:30
10-23-12 PWB-5	J163-07	RES	Normal sample	10/29/2012 15:30
10-23-12 PWB-8	J163-08	RES	Normal sample	10/29/2012 15:31
10-23-12 PWB-16	J163-09	RES	Normal sample	10/29/2012 15:31
10-24-12 PWB-12	J163-10	RES	Normal sample	10/29/2012 15:31
10-24-12 PWB-4	J163-11	RES	Normal sample	10/29/2012 15:32
10-24-12 PWB-13A	J163-12	RES	Normal sample	10/29/2012 15:32
10-24-12 FDUP-2	J163-14	RES	Normal sample	10/29/2012 15:32
10-24-12 PWB-14	J163-13	RES	Normal sample	10/29/2012 15:32

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 12J163

Method: 300.0

Matrix ID: AQ Method Batch: ICJ037W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ037WL	ICJ037WL	RES	LCS	10/24/2012 15:34
ICJ037WC	ICJ037WC	RES	LCSD	10/24/2012 15:51
10-23-12 WB 2-4	J163-02I	DL		10/24/2012 19:51
10-23-12 AMW-4R	J163-01I	DL		10/24/2012 20:08
10-23-12 PWB-9	J163-05I	DL		10/24/2012 20:26
10-23-12 PWB-8	J163-08I	DL		10/24/2012 20:43
10-23-12 PWB-5	J163-07I	DL		10/24/2012 21:00
10-23-12 WB 2-1	J163-04I	DL		10/24/2012 21:17
10-23-12 PWB-16	J163-09	RES		10/24/2012 22:09
10-23-12 PWB-11	J163-06I	DL		10/24/2012 22:26

Matrix ID: AQ Method Batch: ICJ039W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ039WL	ICJ039WL	RES	LCS	10/24/2012 23:34
ICJ039WC	ICJ039WC	RES	LCSD	10/24/2012 23:51
10-23-12 WB 2-4	J163-02	RES		10/25/2012 02:43
10-23-12 AMW-4R	J163-01	RES		10/25/2012 03:00
10-23-12 PWB-9	J163-05	RES		10/25/2012 03:17
10-23-12 PWB-8	J163-08	RES		10/25/2012 03:34
10-23-12 PWB-5	J163-07	RES		10/25/2012 03:52
10-23-12 WB 2-1	J163-04	RES		10/25/2012 04:09
10-23-12 PWB-11	J163-06	RES		10/25/2012 05:00
10-24-12 PWB-12	J163-10I	DL		10/25/2012 07:35
10-24-12 PWB-12	J163-10	RES		10/25/2012 08:26

Matrix ID: AQ Method Batch: ICJ041W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ041WL	ICJ041WL	RES	LCS	10/25/2012 08:43
ICJ041WC	ICJ041WC	RES	LCSD	10/25/2012 09:00
10-24-12 PWB-4	J163-11	RES		10/25/2012 09:35
10-24-12 PWB-13A	J163-12	RES		10/25/2012 09:52
10-24-12 PWB-14	J163-13	RES		10/25/2012 10:09
10-24-12 FDUP-2	J163-14	RES		10/25/2012 10:26
10-24-12 PWB-4	J163-11I	DL		10/25/2012 10:43
10-24-12 PWB-13A	J163-12I	DL		10/25/2012 11:00
10-24-12 PWB-14	J163-13I	DL		10/25/2012 11:52
10-24-12 FDUP-2	J163-14I	DL		10/25/2012 12:09
10-23-12 PWB-16	J163-09I	DL		10/25/2012 14:26

Method: 415.1

Matrix ID: AQ Method Batch: TCJ006W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ006WL	TCJ006WL	RES	LCS	10/26/2012 15:51
TCJ006WC	TCJ006WC	RES	LCSD	10/26/2012 16:04
10-23-12 AMW-4R	J163-01	RES		10/26/2012 20:09
10-23-12 WB 2-4	J163-02	RES		10/26/2012 20:19
10-23-12 WB 2-1	J163-04	RES		10/26/2012 20:30
10-23-12 PWB-9	J163-05	RES		10/26/2012 20:40
10-23-12 PWB-11	J163-06	RES		10/26/2012 20:51
10-23-12 PWB-5	J163-07	RES		10/26/2012 21:01

Matrix ID: AQ Method Batch: TCJ007W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ007WL	TCJ007WL	RES	LCS	10/26/2012 21:14
TCJ007WC	TCJ007WC	RES	LCSD	10/26/2012 21:27
10-23-12 PWB-8	J163-08	RES		10/26/2012 21:49
10-23-12 PWB-16	J163-09	RES		10/26/2012 22:23
10-24-12 PWB-12	J163-10	RES		10/26/2012 22:34
10-24-12 PWB-4	J163-11	RES		10/26/2012 22:45
10-24-12 PWB-13A	J163-12	RES		10/26/2012 22:55
10-24-12 PWB-14	J163-13	RES		10/26/2012 23:06
10-24-12 FDUP-2	J163-14	RES		10/26/2012 23:16

Method: 8151

Matrix ID: AQ Method Batch: HEJ009W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ009WL	HEJ009WL	RES	LCS	10/30/2012 18:23
HEJ009WC	HEJ009WC	RES	LCSD	10/30/2012 18:43
10-23-12 AMW-4R	J163-01	RES		10/30/2012 19:03
10-23-12 WB 2-4	J163-02	RES		10/30/2012 19:23
10-23-12 WB 2-1	J163-04	RES		10/30/2012 19:43
10-23-12 PWB-9	J163-05	RES		10/30/2012 20:04
10-23-12 PWB-11	J163-06	RES		10/30/2012 20:24
10-23-12 PWB-5	J163-07	RES		10/30/2012 20:45
10-23-12 PWB-8	J163-08	RES		10/30/2012 21:05
10-23-12 PWB-16	J163-09	RES		10/30/2012 22:06
10-24-12 PWB-4	J163-11	RES		10/30/2012 22:47
10-24-12 PWB-14	J163-13	RES		10/30/2012 23:28
10-24-12 FDUP-2	J163-14	RES		10/30/2012 23:48
10-24-12 PWB-12	J163-10J	RES		10/31/2012 14:08
10-24-12 PWB-13A	J163-12J	RES		10/31/2012 14:28

Method: 8260B

Matrix ID: AQ **Method Batch: VO06J19**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J19L	VO06J19L	RES	LCS	10/25/2012 15:23
VO06J19C	VO06J19C	RES	LCSD	10/25/2012 15:53
10-23-12 TB-1	J163-03	RES		10/25/2012 17:23
10-24-12 EB-1	J163-15	RES		10/25/2012 17:53
10-23-12 AMW-4R	J163-01	RES		10/25/2012 18:24
10-23-12 WB 2-4	J163-02	RES		10/25/2012 18:53
10-23-12 WB 2-1	J163-04	RES		10/25/2012 19:24
10-23-12 PWB-9	J163-05	RES		10/25/2012 19:54
10-23-12 PWB-11	J163-06	RES		10/25/2012 20:24
10-23-12 PWB-5	J163-07	RES		10/25/2012 20:54
10-23-12 PWB-8	J163-08	RES		10/25/2012 21:24
10-23-12 PWB-16	J163-09	RES		10/25/2012 21:54
10-24-12 PWB-12	J163-10	RES		10/25/2012 22:24
10-24-12 PWB-4	J163-11	RES		10/25/2012 22:54
10-24-12 PWB-13A	J163-12	RES		10/25/2012 23:24
10-24-12 PWB-14	J163-13	RES		10/25/2012 23:54
10-24-12 FDUP-2	J163-14	RES		10/26/2012 00:25

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO05J20

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J20L	VO05J20L	RES	LCS	10/26/2012 08:48
VO05J20C	VO05J20C	RES	LCSD	10/26/2012 09:17
10-23-12 AMW-4R	J163-01	RES		10/26/2012 10:14
10-23-12 WB 2-4	J163-02	RES		10/26/2012 10:43
10-23-12 WB 2-1	J163-04	RES		10/26/2012 11:13
10-23-12 PWB-9	J163-05	RES		10/26/2012 11:42
10-23-12 PWB-11	J163-06	RES		10/26/2012 12:12
10-23-12 PWB-5	J163-07	RES		10/26/2012 12:40
10-23-12 PWB-8	J163-08	RES		10/26/2012 13:10
10-23-12 PWB-16	J163-09	RES		10/26/2012 13:42
10-24-12 PWB-12	J163-10	RES		10/26/2012 14:11
10-24-12 PWB-4	J163-11	RES		10/26/2012 14:41
10-24-12 PWB-13A	J163-12	RES		10/26/2012 15:11
10-24-12 FDUP-2	J163-14	RES		10/26/2012 15:40
10-24-12 PWB-14	J163-13	RES		10/26/2012 16:09
10-24-12 PWB-14	J163-13T	DL		10/26/2012 16:40
10-24-12 PWB-12	J163-10T	DL		10/26/2012 17:09
10-24-12 PWB-13A	J163-12T	DL		10/26/2012 17:38
10-23-12 WB 2-1	J163-04T	DL		10/26/2012 18:07
10-23-12 PWB-9	J163-05T	DL		10/26/2012 18:36
10-23-12 PWB-11	J163-06T	DL		10/26/2012 19:05

Matrix ID: AQ Method Batch: VO05J21

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J21L	VO05J21L	RES	LCS	10/29/2012 08:37
VO05J21C	VO05J21C	RES	LCSD	10/29/2012 09:06
10-23-12 PWB-5	J163-07T	DL		10/29/2012 16:00
10-23-12 PWB-8	J163-08T	DL		10/29/2012 16:29
10-23-12 PWB-16	J163-09T	DL		10/29/2012 16:58
10-24-12 PWB-4	J163-11T	DL		10/29/2012 17:30
10-24-12 FDUP-2	J163-14T	DL		10/29/2012 17:59

Method: FE3500

Matrix ID: AQ Method Batch: FEJ005W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FEJ005WL	FEJ005WL	RES	LCS	10/24/2012 19:08
10-23-12 AMW-4R	J163-01	RES		10/24/2012 19:09
10-23-12 WB 2-1	J163-04	RES		10/24/2012 19:09
FEJ005WC	FEJ005WC	RES	LCSD	10/24/2012 19:09
10-23-12 PWB-9	J163-05	RES		10/24/2012 19:09
10-23-12 WB 2-4	J163-02	RES		10/24/2012 19:09
10-23-12 PWB-11	J163-06	RES		10/24/2012 19:10
10-23-12 PWB-5	J163-07	RES		10/24/2012 19:10
10-23-12 PWB-8	J163-08	RES		10/24/2012 19:11
10-23-12 PWB-16	J163-09	RES		10/24/2012 19:14
10-24-12 PWB-13A	J163-12	RES		10/24/2012 19:14
10-24-12 PWB-4	J163-11	RES		10/24/2012 19:14
10-24-12 PWB-12	J163-10	RES		10/24/2012 19:14
10-24-12 FDUP-2MS	J163-14M	RES	MS	10/24/2012 19:15
10-24-12 FDUP-2	J163-14	RES		10/24/2012 19:15
10-24-12 FDUP-2DUP	J163-14D	RES	DUP	10/24/2012 19:15
10-24-12 PWB-14	J163-13	RES		10/24/2012 19:15
10-24-12 FDUP-2MSD	J163-14S	RES	MSD	10/24/2012 19:15

Method: SM4500S2D

Matrix ID: AQ Method Batch: SFJ010W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFJ010WL	SFJ010WL	RES	LCS	10/29/2012 15:28
10-23-12 PWB-9	J163-05	RES		10/29/2012 15:29
10-23-12 AMW-4R	J163-01	RES		10/29/2012 15:29
SFJ010WC	SFJ010WC	RES	LCSD	10/29/2012 15:29
10-23-12 WB 2-4	J163-02	RES		10/29/2012 15:29
10-23-12 WB 2-1	J163-04	RES		10/29/2012 15:29
10-23-12 PWB-5	J163-07	RES		10/29/2012 15:30
10-23-12 PWB-11	J163-06	RES		10/29/2012 15:30
10-23-12 PWB-16	J163-09	RES		10/29/2012 15:31
10-24-12 PWB-12	J163-10	RES		10/29/2012 15:31
10-23-12 PWB-8	J163-08	RES		10/29/2012 15:31
10-24-12 PWB-4	J163-11	RES		10/29/2012 15:32
10-24-12 FDUP-2	J163-14	RES		10/29/2012 15:32
10-24-12 PWB-13A	J163-12	RES		10/29/2012 15:32
10-24-12 PWB-14	J163-13	RES		10/29/2012 15:32

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J163 **Laboratory :** EMXT **Lab Report Date :** 12/07/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
300.0									
	10-23-12 AMW-4R	J163-01	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-01I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-11	J163-06	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-06I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-16	J163-09	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
		J163-09I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
	10-23-12 PWB-5	J163-07	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-07I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-8	J163-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-08I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-9	J163-05	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-05I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 WB 2-1	J163-04	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-04I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 WB 2-4	J163-02	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/25/2012
		J163-02I	DL	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-24-12 FDUP-2	J163-14	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J163-14I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 PWB-12	J163-10	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J163-10I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 PWB-13A	J163-12	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J163-12I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 PWB-14	J163-13	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J163-13I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
	10-24-12 PWB-4	J163-11	RES	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
		J163-11I	DL	GEN PREP	AQ	10/24/2012	10/24/2012		10/25/2012
415.1									
	10-23-12 AMW-4R	J163-01	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-11	J163-06		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-16	J163-09		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-5	J163-07		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J163 **Laboratory :** EMXT **Lab Report Date :** 12/07/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	10-23-12 PWB-8	J163-08	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 PWB-9	J163-05		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 WB 2-1	J163-04		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-23-12 WB 2-4	J163-02		GEN PREP	AQ	10/23/2012	10/24/2012		10/26/2012
	10-24-12 FDUP-2	J163-14		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 PWB-12	J163-10		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 PWB-13A	J163-12		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 PWB-14	J163-13		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
	10-24-12 PWB-4	J163-11		GEN PREP	AQ	10/24/2012	10/24/2012		10/26/2012
8151									
	10-23-12 AMW-4R	J163-01	RES	GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 PWB-11	J163-06		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 PWB-16	J163-09		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 PWB-5	J163-07		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 PWB-8	J163-08		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 PWB-9	J163-05		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 WB 2-1	J163-04		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-23-12 WB 2-4	J163-02		GEN PREP	AQ	10/23/2012	10/24/2012	10/29/2012	10/30/2012
	10-24-12 FDUP-2	J163-14		GEN PREP	AQ	10/24/2012	10/24/2012	10/29/2012	10/30/2012
	10-24-12 PWB-12	J163-10J		GEN PREP	AQ	10/24/2012	10/24/2012	10/29/2012	10/31/2012
	10-24-12 PWB-13A	J163-12J		GEN PREP	AQ	10/24/2012	10/24/2012	10/29/2012	10/31/2012
	10-24-12 PWB-14	J163-13		GEN PREP	AQ	10/24/2012	10/24/2012	10/29/2012	10/30/2012
	10-24-12 PWB-4	J163-11		GEN PREP	AQ	10/24/2012	10/24/2012	10/29/2012	10/30/2012
8260B									
	10-23-12 AMW-4R	J163-01	RES	5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 PWB-11	J163-06		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 PWB-16	J163-09		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 PWB-5	J163-07		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 PWB-8	J163-08		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 PWB-9	J163-05		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 TB-1	J163-03		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-23-12 WB 2-1	J163-04		5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J163 **Laboratory :** EMXT **Lab Report Date :** 12/07/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	10-23-12 WB 2-4	J163-02	RES	5030B	AQ	10/23/2012	10/24/2012	10/25/2012	10/25/2012
	10-24-12 EB-1	J163-15		5030B	AQ	10/24/2012	10/24/2012	10/25/2012	10/25/2012
	10-24-12 FDUP-2	J163-14		5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 PWB-12	J163-10		5030B	AQ	10/24/2012	10/24/2012	10/25/2012	10/25/2012
	10-24-12 PWB-13A	J163-12		5030B	AQ	10/24/2012	10/24/2012	10/25/2012	10/25/2012
	10-24-12 PWB-14	J163-13		5030B	AQ	10/24/2012	10/24/2012	10/25/2012	10/25/2012
	10-24-12 PWB-4	J163-11		5030B	AQ	10/24/2012	10/24/2012	10/25/2012	10/25/2012
8260B SIM									
	10-23-12 AMW-4R	J163-01	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 PWB-11	J163-06		5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
		J163-06T	DL	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 PWB-16	J163-09	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
		J163-09T	DL	5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-5	J163-07	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
		J163-07T	DL	5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-8	J163-08	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
		J163-08T	DL	5030B	AQ	10/23/2012	10/24/2012	10/29/2012	10/29/2012
	10-23-12 PWB-9	J163-05	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
		J163-05T	DL	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 WB 2-1	J163-04	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
		J163-04T	DL	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-23-12 WB 2-4	J163-02	RES	5030B	AQ	10/23/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 FDUP-2	J163-14		5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
		J163-14T	DL	5030B	AQ	10/24/2012	10/24/2012	10/29/2012	10/29/2012
	10-24-12 PWB-12	J163-10	RES	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
		J163-10T	DL	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 PWB-13A	J163-12	RES	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
		J163-12T	DL	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 PWB-14	J163-13	RES	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
		J163-13T	DL	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
	10-24-12 PWB-4	J163-11	RES	5030B	AQ	10/24/2012	10/24/2012	10/26/2012	10/26/2012
		J163-11T	DL	5030B	AQ	10/24/2012	10/24/2012	10/29/2012	10/29/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J163 **Laboratory :** EMXT **Lab Report Date :** 12/07/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
FE3500									
	10-23-12 AMW-4R	J163-01	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-11	J163-06		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-16	J163-09		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-5	J163-07		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-8	J163-08		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 PWB-9	J163-05		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 WB 2-1	J163-04		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-23-12 WB 2-4	J163-02		GEN PREP	AQ	10/23/2012	10/24/2012		10/24/2012
	10-24-12 FDUP-2	J163-14		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 PWB-12	J163-10		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 PWB-13A	J163-12		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 PWB-14	J163-13		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
	10-24-12 PWB-4	J163-11		GEN PREP	AQ	10/24/2012	10/24/2012		10/24/2012
SM4500S2D									
	10-23-12 AMW-4R	J163-01	RES	GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-11	J163-06		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-16	J163-09		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-5	J163-07		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-8	J163-08		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 PWB-9	J163-05		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 WB 2-1	J163-04		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-23-12 WB 2-4	J163-02		GEN PREP	AQ	10/23/2012	10/24/2012		10/29/2012
	10-24-12 FDUP-2	J163-14		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 PWB-12	J163-10		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 PWB-13A	J163-12		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 PWB-14	J163-13		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012
	10-24-12 PWB-4	J163-11		GEN PREP	AQ	10/24/2012	10/24/2012		10/29/2012

Reporting Limits Outlier Report

Lab Report Batch: 12J163 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
10-23-12 AMW-4R	J163-01	415.1	AQ	TOC	J	0.739	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.47	1.00	UG/L
				CARBON TETRACHLORIDE	J	0.40	1.00	UG/L
10-23-12 PWB-11	J163-06	415.1	AQ	TOC	J	0.605	1.00	MG/L
		8151		DINOSEB	J	0.35	0.40	UG/L
		8260B		1,2-DICHLOROPROPANE	J	0.68	1.00	UG/L
		FE3500		FERROUS IRON	J	0.551	2.00	MG/L
10-23-12 PWB-16	J163-09	415.1	AQ	TOC	J	0.842	1.00	MG/L
		8260B		CHLOROFORM	J	0.93	1.00	UG/L
10-23-12 PWB-5	J163-07	415.1	AQ	TOC	J	0.712	1.00	MG/L
		8260B		CHLOROFORM	J	0.33	1.00	UG/L
10-23-12 PWB-8	J163-08	415.1	AQ	TOC	J	0.671	1.00	MG/L
		8260B		CHLOROFORM	J	0.39	1.00	UG/L
10-23-12 PWB-9	J163-05	415.1	AQ	TOC	J	0.732	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.63	1.00	UG/L
		SM4500S2D		SULFIDE	J	0.0380	0.10	MG/L
10-23-12 WB 2-1	J163-04	415.1	AQ	TOC	J	0.666	1.00	MG/L
		8260B		1,2,3-TRICHLOROPROPANE	J	0.69	1.00	UG/L
				1,2-DICHLOROPROPANE	J	0.60	1.00	UG/L
10-23-12 WB 2-4	J163-02	8260B	AQ	CHLOROFORM	J	0.32	1.00	UG/L
10-24-12 FDUP-2	J163-14	415.1	AQ	TOC	J	0.693	1.00	MG/L
		8260B		CHLOROFORM	J	0.27	1.00	UG/L
10-24-12 PWB-12	J163-10	415.1	AQ	TOC	J	0.705	1.00	MG/L
		8260B		CHLOROFORM	J	0.78	1.00	UG/L
10-24-12 PWB-13A	J163-12	415.1	AQ	TOC	J	0.883	1.00	MG/L
10-24-12 PWB-14	J163-13	415.1	AQ	TOC	J	0.570	1.00	MG/L
		8151		DINOSEB	J	0.24	0.40	UG/L
	J163-13T	8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	0.20	0.50	UG/L

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

Reporting Limits Outlier Report

Lab Report Batch: 12J163 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
10-24-12 PWB-4	J163-11	415.1	AQ	TOC	J	0.721	1.00	MG/L
		8260B		CHLOROFORM	J	0.30	1.00	UG/L

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

Client Sample ID : 10-23-12 AMW-4R **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-01

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	0.739	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	0.47	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 : 10-23-12 AMW-4R **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-01

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															
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	0.40	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 : 10-23-12 AMW-4R **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-01

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	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	0.55	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 : 10-23-12 AMW-4R **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-01

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 : 10-23-12 AMW-4R **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-01I

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	28.2	MG/L		YES															
SULFATE	141	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-11 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-06

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***																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : ***415.1***																			
TOC	0.605	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	0.35	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	2.4	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	0.68	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 : 10-23-12 PWB-11 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-06

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*																			
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 : 10-23-12 PWB-11 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-06

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***																			
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	4.4	UG/L	E	NO															
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 : 10-23-12 PWB-11 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-06

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-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	0.551	MG/L	J	YES	**J**								J						L
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 : 10-23-12 PWB-11 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-06I

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	34.9	MG/L		YES															
SULFATE	78.0	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-11 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-06T

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	3.7	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 : 10-23-12 PWB-16 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-09

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*																			
NITRATE-N	1.04	MG/L		YES															
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : *415.1*																			
TOC	0.842	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	2.4	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	8.6	UG/L		YES															

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

Client Sample ID : 10-23-12 PWB-16 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-09

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
1,3,5-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	0.93	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															

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

Client Sample ID : 10-23-12 PWB-16 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-09

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***																			
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***																			
1,2,3-TRICHLOROPROPANE	4.2	UG/L	E	NO															

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

Client Sample ID : 10-23-12 PWB-16 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-09

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-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 : 10-23-12 PWB-16 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-09I

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	1.31	MG/L		YES															
SULFATE	82.6	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-16 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-09T

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	3.9	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 : 10-23-12 PWB-5 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-07

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	0.712	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	1.0	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	8.8	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	2.1	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 : 10-23-12 PWB-5 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-07

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
1,3-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	0.33	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 : 10-23-12 PWB-5 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-07

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	16	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.42	UG/L		YES															

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

Client Sample ID : 10-23-12 PWB-5 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-07

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 : 10-23-12 PWB-5 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-07I

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	43.1	MG/L		YES															
SULFATE	97.3	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-5 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-07T

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	13	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 : 10-23-12 PWB-8 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-08

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	0.671	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	1.1	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	9.3	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	2.7	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 : 10-23-12 PWB-8 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-08

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	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 : 10-23-12 PWB-8 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-08

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	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	15	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.51	UG/L		YES															

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

Client Sample ID : 10-23-12 PWB-8 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-08

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 : 10-23-12 PWB-8 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-08I

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	30.8	MG/L		YES															
SULFATE	160	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-8 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-08T

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	13	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 : 10-23-12 PWB-9 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-05

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	0.732	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	2.0	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	0.63	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 : 10-23-12 PWB-9 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-05

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	1.0	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 : 10-23-12 PWB-9 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-05

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	3.5	UG/L	E	NO															
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 : 10-23-12 PWB-9 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-05

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	0.0380	MG/L	J	YES	**J**								J						L

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

Client Sample ID : 10-23-12 PWB-9 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-05I

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	29.1	MG/L		YES															
SULFATE	51.2	MG/L		YES															

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

Client Sample ID : 10-23-12 PWB-9 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-05T

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	3.4	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 : 10-23-12 TB-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-03

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***																			
1,1,1,2-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 : 10-23-12 TB-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-03

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***																			
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 : 10-23-12 TB-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-03

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 : 10-23-12 WB 2-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-04

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	0.666	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	0.69	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	0.60	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 : 10-23-12 WB 2-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-04

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
1,3-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 : 10-23-12 WB 2-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-04

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															
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	1.1	UG/L	E	NO															
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 : 10-23-12 WB 2-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-04

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															
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 : 10-23-12 WB 2-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-04I

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	27.1	MG/L		YES															
SULFATE	124	MG/L		YES															

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

Client Sample ID : 10-23-12 WB 2-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-04T

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	1.1	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 : 10-23-12 WB 2-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-02

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	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															
1,2-DICHLOROPROPANE	1.6	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 : 10-23-12 WB 2-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-02

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	0.32	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 : 10-23-12 WB 2-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-02

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	1.0	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	0.10	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 : 10-23-12 WB 2-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-02

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 : 10-23-12 WB 2-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/23/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-02I

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	10.7	MG/L		YES															
SULFATE	43.9	MG/L		YES															

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

Client Sample ID : 10-24-12 EB-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-15

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 : 10-24-12 EB-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-15

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***																			
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 : 10-24-12 EB-1 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-15

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 : 10-24-12 FDUP-2 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-14

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	0.693	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.79	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	9.4	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	3.2	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 : 10-24-12 FDUP-2 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-14

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	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	0.27	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 : 10-24-12 FDUP-2 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-14

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	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	16	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.26	UG/L		YES															

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

Client Sample ID : 10-24-12 FDUP-2 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-14

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 : 10-24-12 FDUP-2 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-14I

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	38.8	MG/L		YES															
SULFATE	106	MG/L		YES															

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

Client Sample ID : 10-24-12 FDUP-2 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-14T

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	14	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 : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-10

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	0.705	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	13	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	2.8	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	4.6	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 : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-10

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
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	0.78	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 : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-10

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*																			
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	19	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	2.9	UG/L	E	NO															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															

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

Client Sample ID : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-10

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 : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

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

Client Sample ID : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-10I

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	61.2	MG/L		YES															
SULFATE	62.8	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-10J

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	27	UG/L		YES															

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

Client Sample ID : 10-24-12 PWB-12 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-10T

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	20	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	2.6	UG/L		YES															
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 : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-12

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	0.883	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	8.6	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	1.2	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	11	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 : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-12

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	14	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 : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-12

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	1.0	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	16	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	1.6	UG/L	E	NO															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES															

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

Client Sample ID : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-12

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 : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-12I

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	37.0	MG/L		YES															
SULFATE	144	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-12J

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	4.3	UG/L		YES															

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

Client Sample ID : 10-24-12 PWB-13A **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-12T

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	15	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.3	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 : 10-24-12 PWB-14 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-13

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	0.570	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	2.3	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	17	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 : 10-24-12 PWB-14 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-13

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***																			
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	10	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 : 10-24-12 PWB-14 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-13

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***																			
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	3.9	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.20	UG/L		YES															

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

Client Sample ID : 10-24-12 PWB-14 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-13

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 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 : 10-24-12 PWB-14 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-13I

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	11.5	MG/L		YES															
SULFATE	71.7	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-14 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-13T

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	3.9	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.20	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 : 10-24-12 PWB-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-11

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	0.721	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	0.81	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	9.4	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	3.4	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 : 10-24-12 PWB-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-11

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	0.30	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 : 10-24-12 PWB-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-11

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	1.0	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	15	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	0.26	UG/L		YES															P

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE*** ***Library Used:*** ***ECO_BrownandBryant_121114***

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

Client Sample ID : 10-24-12 PWB-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J163-11

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	0.1	MG/L	U	YES															

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

Client Sample ID : 10-24-12 PWB-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-11I

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	39.0	MG/L		YES															
SULFATE	107	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-4 **Lab Report Batch :** 12J163 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J163-11T

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	14	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	5.0	UG/L	U	NO															P
1,2-DIBROMOETHANE	5.0	UG/L	U	NO															

Automatic Data Validation Report

Biannually
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # 12J181

October, 2012

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	Percent Recovery 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: 12J181

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/26/2013 23:10**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	0
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	4
0031	0
0032	0
0033	0
0034	6
0035	0
0036	0
0037	0
0038	0

Total : 12

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J181

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/26/2013 23:10**

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	411	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J20C, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1093	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID J181-04M, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1141	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID J181-04S, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1440	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J20L, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1582	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J21C, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	1653	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J21L, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO06J21 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike Duplicate record in Table A3 for method batch VO05K01 in method 8260B SIM.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO06J21 in method 8260B.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch VO05K01 in method 8260B SIM.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3		Project Number	0025	The project name "BROWN & BRYANT SUPERFUND SITE" 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-10-425" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J181

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/26/2013 23:10**

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: 12J181

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 1/26/2013 23:10**

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 : 12J181 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-25-12 FDUP-4	**FD**	10-25-12 EPAS-2	10/25/2012 09:48
10-25-12 TB-3	**TB**	10-24-12 WA-3	10/24/2012 16:00
		10-25-12 EPAS-2	10/25/2012 09:48
		10-25-12 EPAS-3	10/25/2012 09:33
		10-25-12 FDUP-4	10/25/2012 00:00
		10-25-12 PWA-2	10/25/2012 10:26
		10-25-12 PWA-3	10/25/2012 08:50
		10-25-12 PWA-7A	10/25/2012 09:15
		10-25-12 WA-1	10/25/2012 08:00
		10-25-12 WA-2	10/25/2012 08:35
		10-25-12 WA-5	10/25/2012 07:55
		10-25-12 WA-9	10/25/2012 10:30

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: 12J181

Method: 8151

Matrix ID: AQ **Preparation Batch: HEJ010W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ010WB	HEJ010WB	RES	MB	10/31/2012 16:31
HEJ010WL	HEJ010WL	RES	LCS	10/31/2012 16:51
HEJ010WC	HEJ010WC	RES	LCSD	10/31/2012 17:11
10-25-12 WA-9	J181-02	RES	Normal sample	10/31/2012 17:51
10-25-12 PWA-7A	J181-03	RES	Normal sample	10/31/2012 18:12
10-25-12 WA-1	J181-04	RES	Normal sample	10/31/2012 18:32
10-25-12 WA-1MS	J181-04M	RES	MS	10/31/2012 18:52
10-25-12 WA-1MSD	J181-04S	RES	MSD	10/31/2012 19:12
10-25-12 PWA-3	J181-05	RES	Normal sample	10/31/2012 19:33
10-25-12 WA-5	J181-06	RES	Normal sample	10/31/2012 20:34
10-25-12 WA-2	J181-08	RES	Normal sample	10/31/2012 21:15
10-24-12 WA-3	J181-01I	RES	Normal sample	11/01/2012 13:36
10-25-12 EPAS-2	J181-07J	RES	Normal sample	11/01/2012 15:58
10-25-12 EPAS-3	J181-09J	RES	Normal sample	11/01/2012 16:18
10-25-12 PWA-2	J181-10J	RES	Normal sample	11/01/2012 16:58
10-25-12 FDUP-4	J181-11J	RES	Normal sample	11/01/2012 17:18

Method: 8260B

Matrix ID: AQ Preparation Batch: VO06J20

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J20L	VO06J20L	RES	LCS	10/26/2012 14:01
VO06J20C	VO06J20C	RES	LCSD	10/26/2012 14:31
VO06J20B	VO06J20B	RES	MB	10/26/2012 15:31
10-24-12 WA-3	J181-01	RES	Normal sample	10/26/2012 16:05
10-25-12 WA-9	J181-02	RES	Normal sample	10/26/2012 16:35
10-25-12 PWA-7A	J181-03	RES	Normal sample	10/26/2012 17:05
10-25-12 WA-1	J181-04	RES	Normal sample	10/26/2012 17:35
10-25-12 WA-1MS	J181-04M	RES	MS	10/26/2012 18:05
10-25-12 WA-1MSD	J181-04S	RES	MSD	10/26/2012 18:35
10-25-12 PWA-3	J181-05	RES	Normal sample	10/26/2012 19:35
10-25-12 WA-5	J181-06	RES	Normal sample	10/26/2012 20:06
10-25-12 EPAS-2	J181-07	RES	Normal sample	10/26/2012 20:36
10-25-12 WA-2	J181-08	RES	Normal sample	10/26/2012 21:05
10-25-12 EPAS-3	J181-09	RES	Normal sample	10/26/2012 21:36
10-25-12 PWA-2	J181-10	RES	Normal sample	10/26/2012 22:06

Matrix ID: AQ Preparation Batch: VO06J21

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J21L	VO06J21L	RES	LCS	10/29/2012 11:49
VO06J21C	VO06J21C	RES	LCSD	10/29/2012 12:19
VO06J21B	VO06J21B	RES	MB	10/29/2012 13:19
10-25-12 TB-3	J181-12R	RES	Normal sample	10/29/2012 13:49
10-25-12 EPAS-3	J181-09T	DL	Normal sample	10/29/2012 14:25
10-25-12 PWA-2	J181-10T	DL	Normal sample	10/29/2012 14:55
10-25-12 FDUP-4	J181-11R	RES	Normal sample	10/29/2012 15:25

Method: 8260B SIM

Matrix ID: AQ Preparation Batch: VO05J22

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J22L	VO05J22L	RES	LCS	10/30/2012 08:26
VO05J22C	VO05J22C	RES	LCSD	10/30/2012 08:54
VO05J22B	VO05J22B	RES	MB	10/30/2012 09:23
10-25-12 PWA-3	J181-05	RES	Normal sample	10/30/2012 09:52
10-25-12 WA-2	J181-08	RES	Normal sample	10/30/2012 10:22
10-25-12 PWA-7A	J181-03	RES	Normal sample	10/30/2012 10:59
10-25-12 WA-9	J181-02	RES	Normal sample	10/30/2012 11:28
10-25-12 WA-5	J181-06	RES	Normal sample	10/30/2012 12:04
10-25-12 WA-1	J181-04	RES	Normal sample	10/30/2012 12:34
10-25-12 WA-1MS	J181-04M	RES	MS	10/30/2012 13:03
10-25-12 WA-1MSD	J181-04S	RES	MSD	10/30/2012 13:36
10-24-12 WA-3	J181-01	RES	Normal sample	10/30/2012 14:09
10-25-12 EPAS-2	J181-07	RES	Normal sample	10/30/2012 14:38
10-25-12 FDUP-4	J181-11	RES	Normal sample	10/30/2012 15:08
10-25-12 PWA-2	J181-10	RES	Normal sample	10/30/2012 15:36
10-25-12 EPAS-3	J181-09	RES	Normal sample	10/30/2012 16:35

Matrix ID: AQ Preparation Batch: VO05K01

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05K01L	VO05K01L	RES	LCS	11/01/2012 08:22
VO05K01C	VO05K01C	RES	LCSD	11/01/2012 08:51
VO05K01B	VO05K01B	RES	MB	11/01/2012 09:21
10-25-12 PWA-2	J181-10I	DL2	Normal sample	11/01/2012 09:56
10-25-12 EPAS-3	J181-09T	DL	Normal sample	11/01/2012 10:25
10-25-12 PWA-2	J181-10T	DL	Normal sample	11/01/2012 10:53
10-24-12 WA-3	J181-01T	DL	Normal sample	11/01/2012 11:28
10-24-12 WA-3	J181-01I	DL2	Normal sample	11/01/2012 11:58
10-25-12 WA-1	J181-04T	DL	Normal sample	11/01/2012 12:26
10-25-12 EPAS-2	J181-07T	DL	Normal sample	11/01/2012 13:00
10-25-12 FDUP-4	J181-11T	DL	Normal sample	11/01/2012 13:29

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 12J181

Method: 8151

Matrix ID: AQ **Method Batch: HEJ010W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ010WL	HEJ010WL	RES	LCS	10/31/2012 16:51
HEJ010WC	HEJ010WC	RES	LCSD	10/31/2012 17:11
10-25-12 WA-9	J181-02	RES		10/31/2012 17:51
10-25-12 PWA-7A	J181-03	RES		10/31/2012 18:12
10-25-12 WA-1	J181-04	RES		10/31/2012 18:32
10-25-12 WA-1MS	J181-04M	RES	MS	10/31/2012 18:52
10-25-12 WA-1MSD	J181-04S	RES	MSD	10/31/2012 19:12
10-25-12 PWA-3	J181-05	RES		10/31/2012 19:33
10-25-12 WA-5	J181-06	RES		10/31/2012 20:34
10-25-12 WA-2	J181-08	RES		10/31/2012 21:15
10-24-12 WA-3	J181-01I	RES		11/01/2012 13:36
10-25-12 EPAS-2	J181-07J	RES		11/01/2012 15:58
10-25-12 EPAS-3	J181-09J	RES		11/01/2012 16:18
10-25-12 PWA-2	J181-10J	RES		11/01/2012 16:58
10-25-12 FDUP-4	J181-11J	RES		11/01/2012 17:18

Method: 8260B

Matrix ID: AQ Method Batch: VO06J20

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J20L	VO06J20L	RES	LCS	10/26/2012 14:01
VO06J20C	VO06J20C	RES	LCSD	10/26/2012 14:31
10-24-12 WA-3	J181-01	RES		10/26/2012 16:05
10-25-12 WA-9	J181-02	RES		10/26/2012 16:35
10-25-12 PWA-7A	J181-03	RES		10/26/2012 17:05
10-25-12 WA-1	J181-04	RES		10/26/2012 17:35
10-25-12 WA-1MS	J181-04M	RES	MS	10/26/2012 18:05
10-25-12 WA-1MSD	J181-04S	RES	MSD	10/26/2012 18:35
10-25-12 PWA-3	J181-05	RES		10/26/2012 19:35
10-25-12 WA-5	J181-06	RES		10/26/2012 20:06
10-25-12 EPAS-2	J181-07	RES		10/26/2012 20:36
10-25-12 WA-2	J181-08	RES		10/26/2012 21:05
10-25-12 EPAS-3	J181-09	RES		10/26/2012 21:36
10-25-12 PWA-2	J181-10	RES		10/26/2012 22:06

Matrix ID: AQ Method Batch: VO06J21

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J21L	VO06J21L	RES	LCS	10/29/2012 11:49
VO06J21C	VO06J21C	RES	LCSD	10/29/2012 12:19
10-25-12 TB-3	J181-12R	RES		10/29/2012 13:49
10-25-12 EPAS-3	J181-09T	DL		10/29/2012 14:25
10-25-12 PWA-2	J181-10T	DL		10/29/2012 14:55
10-25-12 FDUP-4	J181-11R	RES		10/29/2012 15:25

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO05J22

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J22L	VO05J22L	RES	LCS	10/30/2012 08:26
VO05J22C	VO05J22C	RES	LCSD	10/30/2012 08:54
10-25-12 PWA-3	J181-05	RES		10/30/2012 09:52
10-25-12 WA-2	J181-08	RES		10/30/2012 10:22
10-25-12 PWA-7A	J181-03	RES		10/30/2012 10:59
10-25-12 WA-9	J181-02	RES		10/30/2012 11:28
10-25-12 WA-5	J181-06	RES		10/30/2012 12:04
10-25-12 WA-1	J181-04	RES		10/30/2012 12:34
10-25-12 WA-1MS	J181-04M	RES	MS	10/30/2012 13:03
10-25-12 WA-1MSD	J181-04S	RES	MSD	10/30/2012 13:36
10-24-12 WA-3	J181-01	RES		10/30/2012 14:09
10-25-12 EPAS-2	J181-07	RES		10/30/2012 14:38
10-25-12 FDUP-4	J181-11	RES		10/30/2012 15:08
10-25-12 PWA-2	J181-10	RES		10/30/2012 15:36
10-25-12 EPAS-3	J181-09	RES		10/30/2012 16:35

Matrix ID: AQ Method Batch: VO05K01

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05K01L	VO05K01L	RES	LCS	11/01/2012 08:22
VO05K01C	VO05K01C	RES	LCSD	11/01/2012 08:51
10-25-12 PWA-2	J181-10I	DL2		11/01/2012 09:56
10-25-12 EPAS-3	J181-09T	DL		11/01/2012 10:25
10-25-12 PWA-2	J181-10T	DL		11/01/2012 10:53
10-24-12 WA-3	J181-01T	DL		11/01/2012 11:28
10-24-12 WA-3	J181-01I	DL2		11/01/2012 11:58
10-25-12 WA-1	J181-04T	DL		11/01/2012 12:26
10-25-12 EPAS-2	J181-07T	DL		11/01/2012 13:00
10-25-12 FDUP-4	J181-11T	DL		11/01/2012 13:29

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J181 **Laboratory :** EMXT **Lab Report Date :** 11/14/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
8151									
	10-24-12 WA-3	J181-01I	RES	GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	11/01/2012
	10-25-12 EPAS-2	J181-07J		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	11/01/2012
	10-25-12 EPAS-3	J181-09J		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	11/01/2012
	10-25-12 FDUP-4	J181-11J		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	11/01/2012
	10-25-12 PWA-2	J181-10J		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	11/01/2012
	10-25-12 PWA-3	J181-05		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	10/31/2012
	10-25-12 PWA-7A	J181-03		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	10/31/2012
	10-25-12 WA-1	J181-04		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	10/31/2012
	10-25-12 WA-2	J181-08		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	10/31/2012
	10-25-12 WA-5	J181-06		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	10/31/2012
	10-25-12 WA-9	J181-02		GEN PREP	AQ	10/25/2012	10/25/2012	10/30/2012	10/31/2012
8260B									
	10-24-12 WA-3	J181-01	RES	5030B	AQ	10/24/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 EPAS-2	J181-07		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 EPAS-3	J181-09		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
		J181-09T	DL	5030B	AQ	10/25/2012	10/25/2012	10/29/2012	10/29/2012
	10-25-12 FDUP-4	J181-11R	RES	5030B	AQ	10/25/2012	10/25/2012	10/29/2012	10/29/2012
	10-25-12 PWA-2	J181-10		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
		J181-10T	DL	5030B	AQ	10/25/2012	10/25/2012	10/29/2012	10/29/2012
	10-25-12 PWA-3	J181-05	RES	5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 PWA-7A	J181-03		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 TB-3	J181-12R		5030B	AQ	10/25/2012	10/25/2012	10/29/2012	10/29/2012
	10-25-12 WA-1	J181-04		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 WA-2	J181-08		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 WA-5	J181-06		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
	10-25-12 WA-9	J181-02		5030B	AQ	10/25/2012	10/25/2012	10/26/2012	10/26/2012
8260B SIM									
	10-24-12 WA-3	J181-01	RES	5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
		J181-01I	DL2	5030B	AQ	10/24/2012	10/25/2012	11/01/2012	11/01/2012
		J181-01T	DL	5030B	AQ	10/24/2012	10/25/2012	11/01/2012	11/01/2012
	10-25-12 EPAS-2	J181-07	RES	5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J181 **Laboratory :** EMXT **Lab Report Date :** 11/14/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	10-25-12 EPAS-2	J181-07T	DL	5030B	AQ	10/25/2012	10/25/2012	11/01/2012	11/01/2012
	10-25-12 EPAS-3	J181-09	RES	5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
		J181-09T	DL	5030B	AQ	10/25/2012	10/25/2012	11/01/2012	11/01/2012
	10-25-12 FDUP-4	J181-11	RES	5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
		J181-11T	DL	5030B	AQ	10/25/2012	10/25/2012	11/01/2012	11/01/2012
	10-25-12 PWA-2	J181-10	RES	5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
		J181-10I	DL2	5030B	AQ	10/25/2012	10/25/2012	11/01/2012	11/01/2012
		J181-10T	DL	5030B	AQ	10/25/2012	10/25/2012	11/01/2012	11/01/2012
	10-25-12 PWA-3	J181-05	RES	5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
	10-25-12 PWA-7A	J181-03		5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
	10-25-12 WA-1	J181-04		5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
		J181-04T	DL	5030B	AQ	10/25/2012	10/25/2012	11/01/2012	11/01/2012
	10-25-12 WA-2	J181-08	RES	5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
	10-25-12 WA-5	J181-06		5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012
	10-25-12 WA-9	J181-02		5030B	AQ	10/25/2012	10/25/2012	10/30/2012	10/30/2012

Surrogate Recovery Outlier Report

Lab Report Batch: 12J181 **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
10-24-12 WA-3	J181-01I	8151	50	AQ	2,4-DCPAA	0	40.0	140.0	10.0	All Target
10-25-12 EPAS-3	J181-09J	8151	2000	AQ	2,4-DCPAA	0	40.0	140.0	10.0	All Target
10-25-12 PWA-2	J181-10J	8151	8000	AQ	2,4-DCPAA	0	40.0	140.0	10.0	All Target

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : VO05J22 **Analysis Method :** 8260B SIM **Analysis Date :** 10/30/2012

Preparation Batch : VO05J22 **Preparation Type :** 5030B **Preparation Date :** 10/30/2012

Lab Reporting Batch : 12J181 **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**
10-25-12 WA-1MS	J181-04M	AQ	1,2,3-TRICHLOROPROPANE	236		0.00	75.00	125.00	30.00
10-25-12 WA-1MSD	J181-04S		1,2,3-TRICHLOROPROPANE	150		0.00	75.00	125.00	30.00

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

Client Sample ID	**Lab Sample ID**
10-24-12 WA-3	J181-01
10-25-12 EPAS-2	J181-07
10-25-12 EPAS-3	J181-09
10-25-12 FDUP-4	J181-11
10-25-12 PWA-2	J181-10
10-25-12 PWA-3	J181-05
10-25-12 PWA-7A	J181-03
10-25-12 WA-1	J181-04
10-25-12 WA-2	J181-08
10-25-12 WA-5	J181-06
10-25-12 WA-9	J181-02

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

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

Reporting Limits Outlier Report

Lab Report Batch: 12J181 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
10-24-12 WA-3	J181-01	8260B	AQ	CHLOROFORM	J	0.50	1.00	UG/L
				TETRACHLOROETHENE	J	0.61	1.00	UG/L
10-25-12 EPAS-2	J181-07	8260B	AQ	1,2-DIBROMO-3-CHLOROPROPANE	J	0.81	1.00	UG/L
	J181-07T	8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	0.88	1.25	UG/L
10-25-12 EPAS-3	J181-09	8260B	AQ	1,1-DICHLOROETHANE	J	0.65	1.00	UG/L
				1,1-DICHLOROPROPENE	J	0.96	1.00	UG/L
				1,2-DICHLOROBENZENE	J	0.62	1.00	UG/L
				1,3-DICHLOROBENZENE	J	0.31	1.00	UG/L
				TETRACHLOROETHENE	J	0.27	1.00	UG/L
10-25-12 FDUP-4	J181-11R	8260B	AQ	1,2-DIBROMO-3-CHLOROPROPANE	J	0.96	1.00	UG/L
	J181-11T	8260B SIM		1,2-DIBROMO-3-CHLOROPROPANE	J	1.1	1.25	UG/L
10-25-12 PWA-2	J181-10	8260B	AQ	1,1-DICHLOROETHANE	J	0.64	1.00	UG/L
				1,1-DICHLOROPROPENE	J	0.85	1.00	UG/L
	J181-10T			1,2-DIBROMOETHANE	J	76	100.00	UG/L
	J181-10			1,2-DICHLOROBENZENE	J	0.85	1.00	UG/L
				1,3-DICHLOROBENZENE	J	0.35	1.00	UG/L
				CIS-1,3-DICHLOROPROPENE	J	0.35	1.00	UG/L
				TETRACHLOROETHENE	J	0.30	1.00	UG/L
				VINYL CHLORIDE	J	0.35	1.00	UG/L
	J181-10I	8260B SIM		1,2-DIBROMOETHANE	J	80	125.00	UG/L
10-25-12 PWA-3	J181-05	8260B	AQ	1,2-DICHLOROPROPANE	J	0.33	1.00	UG/L
10-25-12 WA-1	J181-04	8151	AQ	DINOSEB	J	0.35	0.40	UG/L
		8260B		1,2,3-TRICHLOROPROPANE	J	0.89	1.00	UG/L
				1,2-DICHLOROPROPANE	J	0.21	1.00	UG/L
				MTBE	J	0.63	1.00	UG/L
10-25-12 WA-2	J181-08	8260B	AQ	BROMODICHLOROMETHANE	J	0.62	1.00	UG/L
10-25-12 WA-5	J181-06	8260B	AQ	1,1-DICHLOROETHENE	J	0.82	1.00	UG/L
				CHLOROFORM	J	0.39	1.00	UG/L
				TETRACHLOROETHENE	J	0.43	1.00	UG/L
10-25-12 WA-9	J181-02	8260B	AQ	CHLOROFORM	J	0.33	1.00	UG/L

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

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

Client Sample ID : 10-24-12 WA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-01

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***																			
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	71	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		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	2.3	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															
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 : 10-24-12 WA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-01

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
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	0.50	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	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 : 10-24-12 WA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-01

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***																			
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	0.61	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	130	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	1.2	UG/L	E	NO															
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 : 10-24-12 WA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: J181-01I

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 : ***8260B SIM***																			
1,2,3-TRICHLOROPROPANE	140	UG/L		YES															
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 : 10-24-12 WA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-01I

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 : ***8151***																			
DINOSEB	41	UG/L		YES	**J-**							J-							G-

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

Client Sample ID : 10-24-12 WA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-01T

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	130	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	1.1	UG/L		YES															
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 : 10-25-12 EPAS-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-07

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	3.4	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	0.81	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	29	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 : 10-25-12 EPAS-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-07

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	2.8	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 : 10-25-12 EPAS-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-07

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	5.7	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.89	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 : 10-25-12 EPAS-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-07J

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	7.7	UG/L		YES															

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

Client Sample ID : 10-25-12 EPAS-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-07T

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	5.6	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	0.88	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 : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-09

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	1.3	UG/L		YES															
1,1-DICHLOROETHANE	0.65	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	0.96	UG/L	J	YES	**J**								J						L
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	470	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	300	UG/L	E	NO															
1,2-DIBROMOETHANE	2.7	UG/L		YES															
1,2-DICHLOROBENZENE	0.62	UG/L	J	YES	**J**								J						L
1,2-DICHLOROETHANE	4.2	UG/L		YES															
1,2-DICHLOROPROPANE	1000	UG/L	E	NO															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	0.31	UG/L	J	YES	**J**								J						L
1,3-DICHLOROPROPANE	5.6	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	1.1	UG/L		YES															

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

Client Sample ID : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-09

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	2.0	UG/L		YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	4.4	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 : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-09

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	0.27	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	710	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	370	UG/L	E	NO															
1,2-DIBROMOETHANE	3.0	UG/L		YES															

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

Client Sample ID : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-09J

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	1400	UG/L		YES	**J-**							J-							G-

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

Client Sample ID : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-09T

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	540	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	310	UG/L		YES															
1,2-DIBROMOETHANE	100	UG/L	U	NO															
1,2-DICHLOROBENZENE	100	UG/L	U	NO															
1,2-DICHLOROETHANE	100	UG/L	U	NO															
1,2-DICHLOROPROPANE	4500	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 : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-09T

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 : 10-25-12 EPAS-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-09T

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															
Analysis Method : ***8260B SIM***																			
1,2,3-TRICHLOROPROPANE	660	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	240	UG/L		YES															
1,2-DIBROMOETHANE	120	UG/L	U	NO															

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

Client Sample ID : 10-25-12 FDUP-4 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-11

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***																			
1,2,3-TRICHLOROPROPANE	5.5	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.89	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 : 10-25-12 FDUP-4 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-11J

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	7.2	UG/L		YES															

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

Client Sample ID : 10-25-12 FDUP-4 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-11R

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	3.7	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	0.96	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	30	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 : 10-25-12 FDUP-4 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-11R

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	3.0	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 : 10-25-12 FDUP-4 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-11R

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 : 10-25-12 FDUP-4 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-11T

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	5.2	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	1.1	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 : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-10

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	1.6	UG/L		YES															
1,1-DICHLOROETHANE	0.64	UG/L	J	YES	**J**								J						L
1,1-DICHLOROETHENE	1.0	UG/L	U	YES															
1,1-DICHLOROPROPENE	0.85	UG/L	J	YES	**J**								J						L
1,2,3-TRICHLOROBENZENE	1.0	UG/L	U	YES															
1,2,3-TRICHLOROPROPANE	830	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	350	UG/L	E	NO															
1,2-DIBROMOETHANE	79	UG/L		YES															
1,2-DICHLOROBENZENE	0.85	UG/L	J	YES	**J**								J						L
1,2-DICHLOROETHANE	10	UG/L		YES															
1,2-DICHLOROPROPANE	1200	UG/L	E	NO															
1,3,5-TRIMETHYLBENZENE	1.0	UG/L	U	YES															
1,3-DICHLOROBENZENE	0.35	UG/L	J	YES	**J**								J						L
1,3-DICHLOROPROPANE	8.9	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	1.2	UG/L		YES															

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

Client Sample ID : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-10

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
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	1.7	UG/L		YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	9.7	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	0.35	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	1.0	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 : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-10

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	0.30	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	0.35	UG/L	J	YES	**J**								J						L
Analysis Method : ***8260B SIM***																			
1,2,3-TRICHLOROPROPANE	1400	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	440	UG/L	E	NO															
1,2-DIBROMOETHANE	98	UG/L	E	NO															

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

Client Sample ID : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: J181-10I

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 : ***8260B SIM***																			
1,2,3-TRICHLOROPROPANE	1100	UG/L		YES															
1,2-DIBROMO-3-CHLOROPROPANE	260	UG/L		NO															
1,2-DIBROMOETHANE	80	UG/L	J	NO	**J**								J						L

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

Client Sample ID : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-10J

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	9100	UG/L		YES	**J-**							J-							G-

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

Client Sample ID : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-10T

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	910	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	360	UG/L		YES															
1,2-DIBROMOETHANE	76	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	6600	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 : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-10T

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 : 10-25-12 PWA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-10T

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															
Analysis Method : ***8260B SIM***																			
1,2,3-TRICHLOROPROPANE	1200	UG/L	E	NO															
1,2-DIBROMO-3-CHLOROPROPANE	310	UG/L		YES															
1,2-DIBROMOETHANE	81	UG/L		YES															

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

Client Sample ID : 10-25-12 PWA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-05

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	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	0.33	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															

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

Client Sample ID : 10-25-12 PWA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-05

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***																			
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	5.9	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															

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

Client Sample ID : 10-25-12 PWA-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-05

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	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	0.11	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 : 10-25-12 PWA-7A **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-03

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															
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 : 10-25-12 PWA-7A **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-03

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***																			
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 : 10-25-12 PWA-7A **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-03

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															
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	0.67	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 : 10-25-12 TB-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-12R

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 : 10-25-12 TB-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-12R

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															
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 : 10-25-12 TB-3 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-12R

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 : 10-25-12 WA-1 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-04

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	0.35	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	0.89	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	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															

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

Client Sample ID : 10-25-12 WA-1 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-04

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															
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	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	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	0.63	UG/L	J	YES	**J**								J						L

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE*** ***Library Used:*** ***ECO_BrownandBryant_121114***

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

Client Sample ID : 10-25-12 WA-1 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-04

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															
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	1.3	UG/L	E	NO	**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 : 10-25-12 WA-1 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J181-04T

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	1.5	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 : 10-25-12 WA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-08

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 : 10-25-12 WA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-08

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	0.62	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	53	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															

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

Client Sample ID : 10-25-12 WA-2 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-08

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	0.0094	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 : 10-25-12 WA-5 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-06

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															
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	0.82	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	5.1	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 : 10-25-12 WA-5 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-06

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															
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	0.39	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															
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 : 10-25-12 WA-5 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-06

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															
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	0.43	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	0.39	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 : 10-25-12 WA-9 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-02

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															
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 : 10-25-12 WA-9 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-02

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															
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	0.33	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	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 : 10-25-12 WA-9 **Lab Report Batch :** 12J181 **Lab ID :** EMXT

Sample Date : 10/25/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J181-02

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															
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	0.012	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															

Automatic Data Validation Report

Biannually
Ground water Monitoring

@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # 12J182

October, 2012

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	Percent Recovery 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: 12J182

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:30**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	3
0004	0
0005	0
0006	3
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	0
0031	0
0032	0
0033	0
0034	4
0035	0
0036	0
0037	0
0038	0

Total : 21

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J182

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:30**

Field or Record Errors

Table	Record	Field	Type	Description	Lab Comments
A1	354	Relative_Percent_Difference	0006	The RPD value is missing in this record.	
A1	355	Relative_Percent_Difference	0006	The RPD value is missing in this record.	
A1	356	Relative_Percent_Difference	0006	The RPD value is missing in this record.	
A3	28	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method 300.0 is measured in hours.	
A3	33	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method FE3500 is measured in hours.	
A3	35	Collected	0003	The time component in the Collected field is "00:00". Check that this is correct because the holding time for method 300.0 is measured in hours.	

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	386	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID J182-02M, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	469	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID J182-02S, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	898	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J22C, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	
A1	969	Reporting_Limit	0034	The Reporting Limit of 1 UG/L for 1,3-DICHLOROPROPANE, method 8260B, Lab Sample ID VO06J22L, Analysis Type RES, exceeds the project library specified reporting limit of 0.5 ug/L (corrected for dilution, if applicable).	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing LCS/LCSD spike compounds	0012	SULFATE is not reported as a spiked analyte (Analyte Type = "SPK") in the LCSD: ICJ047WC, 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.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J182

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:30**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1		Missing LCS/LCSD spike compounds	0012	SULFATE is not reported as a spiked analyte (Analyte Type = "SPK") in the LCS: ICJ047WX, 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: J182-02M, Analysis Type DL2, 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: J182-02M, 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: J182-02M, Analysis Type DL2, 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: J182-02S, Analysis Type DL2, 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: J182-02S, 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: J182-02S, Analysis Type DL2, analyzed by method 300.0.	
A1		Missing records	0007	Client Sample ID ICJ047WB 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.	
A3		Project Number	0025	The project name "BROWN & BRYANT SUPERFUND SITE" 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-10-425" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 12J182

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:30**

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: 12J182

Project Library: ECO_BrownandBryant_121114 **Laboratory: EMXT**

Library Description: ECO - Brown and Bryant **Report Date: 2/5/2013 20:30**

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 : 12J182 **Laboratory :** EMXT

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-24-12 FDUP-3	**FD**	10-24-12 WB 2-2	10/24/2012 14:48
10-24-12 TB-2	**TB**	10-24-12 WB 2-3	10/24/2012 13:34
		10-24-12 FDUP-3	10/24/2012 00:00
		10-24-12 PWB-15	10/24/2012 13:15
		10-24-12 PWB-2	10/24/2012 15:22
		10-24-12 PWB-7A	10/24/2012 14:50
		10-24-12 WB 2-2	10/24/2012 14:48

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: 12J182

Method: 300.0

Matrix ID: AQ Preparation Batch: ICJ043W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ043WB	ICJ043WB	RES	MB	10/25/2012 18:31
ICJ043WL	ICJ043WL	RES	LCS	10/25/2012 18:48
ICJ043WC	ICJ043WC	RES	LCSD	10/25/2012 19:05
10-24-12 WB 2-3	J182-02I	DL2	Normal sample	10/25/2012 19:56
10-24-12 WB 2-3DUP	J182-02D	DL2	DUP	10/25/2012 20:14
10-24-12 WB 2-3MS	J182-02M	DL2	MS	10/25/2012 20:31
10-24-12 WB 2-3MSD	J182-02S	DL2	MSD	10/25/2012 20:48
10-24-12 PWB-15	J182-03I	DL	Normal sample	10/25/2012 21:05
10-24-12 PWB-15	J182-03	RES	Normal sample	10/25/2012 21:56
10-24-12 PWB-2	J182-04	RES	Normal sample	10/25/2012 22:14
10-24-12 PWB-2	J182-04I	DL	Normal sample	10/25/2012 22:31
10-24-12 PWB-7A	J182-05	RES	Normal sample	10/25/2012 22:48
10-24-12 PWB-7A	J182-05I	DL	Normal sample	10/25/2012 23:05
10-24-12 WB 2-2	J182-06	RES	Normal sample	10/25/2012 23:22
10-24-12 WB 2-2	J182-06I	DL	Normal sample	10/25/2012 23:39
10-24-12 FDUP-3	J182-07	RES	Normal sample	10/25/2012 23:57
10-24-12 FDUP-3	J182-07I	DL	Normal sample	10/26/2012 00:14

Matrix ID: AQ Preparation Batch: ICJ047W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ047WB	ICJ047WB	RES	MB	10/26/2012 10:33
ICJ047WC	ICJ047WC	RES	LCSD	10/26/2012 11:07
10-24-12 WB 2-3	J182-02I	DL	Normal sample	10/26/2012 11:24
10-24-12 WB 2-3DUP	J182-02D	DL	DUP	10/26/2012 11:42
10-24-12 WB 2-3MS	J182-02M	DL	MS	10/26/2012 11:59
10-24-12 WB 2-3MSD	J182-02S	DL	MSD	10/26/2012 12:16
ICJ047WX	ICJ047WX	RES	LCS	10/26/2012 12:33

Method: 415.1

Matrix ID: AQ **Preparation Batch: TCJ008W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ008WB	TCJ008WB	RES	MB	10/29/2012 18:51
TCJ008WL	TCJ008WL	RES	LCS	10/29/2012 19:05
TCJ008WC	TCJ008WC	RES	LCSD	10/29/2012 19:18
10-24-12 WB 2-3	J182-02	RES	Normal sample	10/29/2012 22:07
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/29/2012 22:19
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/29/2012 22:32
10-24-12 PWB-15	J182-03	RES	Normal sample	10/29/2012 22:46
10-24-12 PWB-2	J182-04	RES	Normal sample	10/29/2012 22:56
10-24-12 PWB-7A	J182-05	RES	Normal sample	10/29/2012 23:30
10-24-12 WB 2-2	J182-06	RES	Normal sample	10/29/2012 23:40
10-24-12 FDUP-3	J182-07	RES	Normal sample	10/29/2012 23:51

Method: 8151

Matrix ID: AQ **Preparation Batch: HEJ010W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ010WB	HEJ010WB	RES	MB	10/31/2012 16:31
HEJ010WL	HEJ010WL	RES	LCS	10/31/2012 16:51
HEJ010WC	HEJ010WC	RES	LCSD	10/31/2012 17:11
10-24-12 WB 2-3	J182-02	RES	Normal sample	10/31/2012 22:36
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/31/2012 22:56
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/31/2012 23:17
10-24-12 PWB-15	J182-03	RES	Normal sample	10/31/2012 23:37
10-24-12 PWB-2	J182-04	RES	Normal sample	11/01/2012 00:38
10-24-12 WB 2-2	J182-06	RES	Normal sample	11/01/2012 01:19
10-24-12 FDUP-3	J182-07	RES	Normal sample	11/01/2012 01:40
10-24-12 PWB-7A	J182-05I	RES	Normal sample	11/01/2012 15:17

Method: 8260B

Matrix ID: AQ **Preparation Batch: VO06J22**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J22L	VO06J22L	RES	LCS	10/30/2012 13:26
VO06J22C	VO06J22C	RES	LCSD	10/30/2012 13:56
VO06J22B	VO06J22B	RES	MB	10/30/2012 14:55
10-24-12 TB-2	J182-01	RES	Normal sample	10/30/2012 15:25
10-24-12 WB 2-3	J182-02	RES	Normal sample	10/30/2012 15:54
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/30/2012 16:24
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/30/2012 16:53
10-24-12 PWB-15	J182-03	RES	Normal sample	10/30/2012 17:53
10-24-12 PWB-2	J182-04	RES	Normal sample	10/30/2012 18:24
10-24-12 PWB-7A	J182-05	RES	Normal sample	10/30/2012 18:53
10-24-12 WB 2-2	J182-06	RES	Normal sample	10/30/2012 19:23
10-24-12 FDUP-3	J182-07	RES	Normal sample	10/30/2012 19:53

Method: 8260B SIM

Matrix ID: AQ **Preparation Batch: VO05J23**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J23L	VO05J23L	RES	LCS	10/31/2012 08:04
VO05J23C	VO05J23C	RES	LCSD	10/31/2012 08:36
VO05J23B	VO05J23B	RES	MB	10/31/2012 09:38
10-24-12 PWB-15	J182-03	RES	Normal sample	10/31/2012 10:26
10-24-12 PWB-2	J182-04	RES	Normal sample	10/31/2012 11:16
10-24-12 WB 2-3	J182-02	RES	Normal sample	10/31/2012 11:44
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/31/2012 12:13
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/31/2012 12:45
10-24-12 WB 2-2	J182-06	RES	Normal sample	10/31/2012 13:14
10-24-12 FDUP-3	J182-07	RES	Normal sample	10/31/2012 13:42
10-24-12 PWB-7A	J182-05	RES	Normal sample	10/31/2012 14:11
10-24-12 PWB-7A	J182-05T	DL	Normal sample	10/31/2012 14:40
10-24-12 PWB-7A	J182-05I	DL2	Normal sample	10/31/2012 15:39
10-24-12 PWB-15	J182-03T	DL	Normal sample	10/31/2012 16:09
10-24-12 PWB-2	J182-04T	DL	Normal sample	10/31/2012 16:38
10-24-12 WB 2-2	J182-06T	DL	Normal sample	10/31/2012 17:07
10-24-12 FDUP-3	J182-07T	DL	Normal sample	10/31/2012 17:36

Method: FE3500

Matrix ID: AQ **Preparation Batch: FEJ006W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
FEJ006WB	FEJ006WB	RES	MB	10/26/2012 15:28
10-24-12 WB 2-3DUP	J182-02D	RES	DUP	10/26/2012 15:29
FEJ006WC	FEJ006WC	RES	LCSD	10/26/2012 15:29
FEJ006WL	FEJ006WL	RES	LCS	10/26/2012 15:29
10-24-12 WB 2-3	J182-02	RES	Normal sample	10/26/2012 15:29
10-24-12 PWB-15	J182-03	RES	Normal sample	10/26/2012 15:30
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/26/2012 15:30
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/26/2012 15:30
10-24-12 PWB-2	J182-04	RES	Normal sample	10/26/2012 15:30
10-24-12 PWB-7A	J182-05	RES	Normal sample	10/26/2012 15:30
10-24-12 FDUP-3	J182-07	RES	Normal sample	10/26/2012 15:31
10-24-12 WB 2-2	J182-06	RES	Normal sample	10/26/2012 15:31

Method: SM4500S2D

Matrix ID: AQ **Preparation Batch: SFJ010W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFJ010WL	SFJ010WL	RES	LCS	10/29/2012 15:28
SFJ010WB	SFJ010WB	RES	MB	10/29/2012 15:28
SFJ010WC	SFJ010WC	RES	LCSD	10/29/2012 15:29
10-24-12 WB 2-3	J182-02	RES	Normal sample	10/29/2012 15:32
10-24-12 WB 2-3DUP	J182-02D	RES	DUP	10/29/2012 15:32
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/29/2012 15:33
10-24-12 PWB-15	J182-03	RES	Normal sample	10/29/2012 15:34
10-24-12 PWB-2	J182-04	RES	Normal sample	10/29/2012 15:35
10-24-12 PWB-7A	J182-05	RES	Normal sample	10/29/2012 15:35
10-24-12 WB 2-2	J182-06	RES	Normal sample	10/29/2012 15:36
10-24-12 FDUP-3	J182-07	RES	Normal sample	10/29/2012 15:36

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: 12J182

Method: 300.0

Matrix ID: AQ Method Batch: ICJ043W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ043WL	ICJ043WL	RES	LCS	10/25/2012 18:48
ICJ043WC	ICJ043WC	RES	LCSD	10/25/2012 19:05
10-24-12 WB 2-3	J182-02I	DL2		10/25/2012 19:56
10-24-12 WB 2-3DUP	J182-02D	DL2	DUP	10/25/2012 20:14
10-24-12 WB 2-3MS	J182-02M	DL2	MS	10/25/2012 20:31
10-24-12 WB 2-3MSD	J182-02S	DL2	MSD	10/25/2012 20:48
10-24-12 PWB-15	J182-03I	DL		10/25/2012 21:05
10-24-12 PWB-15	J182-03	RES		10/25/2012 21:56
10-24-12 PWB-2	J182-04	RES		10/25/2012 22:14
10-24-12 PWB-2	J182-04I	DL		10/25/2012 22:31
10-24-12 PWB-7A	J182-05	RES		10/25/2012 22:48
10-24-12 PWB-7A	J182-05I	DL		10/25/2012 23:05
10-24-12 WB 2-2	J182-06	RES		10/25/2012 23:22
10-24-12 WB 2-2	J182-06I	DL		10/25/2012 23:39
10-24-12 FDUP-3	J182-07	RES		10/25/2012 23:57
10-24-12 FDUP-3	J182-07I	DL		10/26/2012 00:14

Matrix ID: AQ Method Batch: ICJ047W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
ICJ047WC	ICJ047WC	RES	LCSD	10/26/2012 11:07
10-24-12 WB 2-3	J182-02I	DL		10/26/2012 11:24
10-24-12 WB 2-3DUP	J182-02D	DL	DUP	10/26/2012 11:42
10-24-12 WB 2-3MS	J182-02M	DL	MS	10/26/2012 11:59
10-24-12 WB 2-3MSD	J182-02S	DL	MSD	10/26/2012 12:16
ICJ047WX	ICJ047WX	RES	LCS	10/26/2012 12:33

Method: 415.1

Matrix ID: AQ Method Batch: TCJ008W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
TCJ008WL	TCJ008WL	RES	LCS	10/29/2012 19:05
TCJ008WC	TCJ008WC	RES	LCSD	10/29/2012 19:18
10-24-12 WB 2-3	J182-02	RES		10/29/2012 22:07
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/29/2012 22:19
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/29/2012 22:32
10-24-12 PWB-15	J182-03	RES		10/29/2012 22:46
10-24-12 PWB-2	J182-04	RES		10/29/2012 22:56
10-24-12 PWB-7A	J182-05	RES		10/29/2012 23:30
10-24-12 WB 2-2	J182-06	RES		10/29/2012 23:40
10-24-12 FDUP-3	J182-07	RES		10/29/2012 23:51

Method: 8151

Matrix ID: AQ Method Batch: HEJ010W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
HEJ010WL	HEJ010WL	RES	LCS	10/31/2012 16:51
HEJ010WC	HEJ010WC	RES	LCSD	10/31/2012 17:11
10-24-12 WB 2-3	J182-02	RES		10/31/2012 22:36
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/31/2012 22:56
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/31/2012 23:17
10-24-12 PWB-15	J182-03	RES		10/31/2012 23:37
10-24-12 PWB-2	J182-04	RES		11/01/2012 00:38
10-24-12 WB 2-2	J182-06	RES		11/01/2012 01:19
10-24-12 FDUP-3	J182-07	RES		11/01/2012 01:40
10-24-12 PWB-7A	J182-05I	RES		11/01/2012 15:17

Method: 8260B

Matrix ID: AQ Method Batch: VO06J22

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO06J22L	VO06J22L	RES	LCS	10/30/2012 13:26
VO06J22C	VO06J22C	RES	LCSD	10/30/2012 13:56
10-24-12 TB-2	J182-01	RES		10/30/2012 15:25
10-24-12 WB 2-3	J182-02	RES		10/30/2012 15:54
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/30/2012 16:24
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/30/2012 16:53
10-24-12 PWB-15	J182-03	RES		10/30/2012 17:53
10-24-12 PWB-2	J182-04	RES		10/30/2012 18:24
10-24-12 PWB-7A	J182-05	RES		10/30/2012 18:53
10-24-12 WB 2-2	J182-06	RES		10/30/2012 19:23
10-24-12 FDUP-3	J182-07	RES		10/30/2012 19:53

Method: 8260B SIM

Matrix ID: AQ Method Batch: VO05J23

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
VO05J23L	VO05J23L	RES	LCS	10/31/2012 08:04
VO05J23C	VO05J23C	RES	LCSD	10/31/2012 08:36
10-24-12 PWB-15	J182-03	RES		10/31/2012 10:26
10-24-12 PWB-2	J182-04	RES		10/31/2012 11:16
10-24-12 WB 2-3	J182-02	RES		10/31/2012 11:44
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/31/2012 12:13
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/31/2012 12:45
10-24-12 WB 2-2	J182-06	RES		10/31/2012 13:14
10-24-12 FDUP-3	J182-07	RES		10/31/2012 13:42
10-24-12 PWB-7A	J182-05	RES		10/31/2012 14:11
10-24-12 PWB-7A	J182-05T	DL		10/31/2012 14:40
10-24-12 PWB-7A	J182-05I	DL2		10/31/2012 15:39
10-24-12 PWB-15	J182-03T	DL		10/31/2012 16:09
10-24-12 PWB-2	J182-04T	DL		10/31/2012 16:38
10-24-12 WB 2-2	J182-06T	DL		10/31/2012 17:07
10-24-12 FDUP-3	J182-07T	DL		10/31/2012 17:36

Method: FE3500

Matrix ID: AQ Method Batch: FEJ006W

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
10-24-12 WB 2-3	J182-02	RES		10/26/2012 15:29
FEJ006WC	FEJ006WC	RES	LCSD	10/26/2012 15:29
FEJ006WL	FEJ006WL	RES	LCS	10/26/2012 15:29
10-24-12 WB 2-3DUP	J182-02D	RES	DUP	10/26/2012 15:29
10-24-12 WB 2-3MSD	J182-02S	RES	MSD	10/26/2012 15:30
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/26/2012 15:30
10-24-12 PWB-7A	J182-05	RES		10/26/2012 15:30
10-24-12 PWB-15	J182-03	RES		10/26/2012 15:30
10-24-12 PWB-2	J182-04	RES		10/26/2012 15:30
10-24-12 FDUP-3	J182-07	RES		10/26/2012 15:31
10-24-12 WB 2-2	J182-06	RES		10/26/2012 15:31

Method: SM4500S2D

Matrix ID: AQ **Method Batch: SFJ010W**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
SFJ010WL	SFJ010WL	RES	LCS	10/29/2012 15:28
SFJ010WC	SFJ010WC	RES	LCSD	10/29/2012 15:29
10-24-12 WB 2-3DUP	J182-02D	RES	DUP	10/29/2012 15:32
10-24-12 WB 2-3	J182-02	RES		10/29/2012 15:32
10-24-12 WB 2-3MS	J182-02M	RES	MS	10/29/2012 15:33
10-24-12 PWB-15	J182-03	RES		10/29/2012 15:34
10-24-12 PWB-2	J182-04	RES		10/29/2012 15:35
10-24-12 PWB-7A	J182-05	RES		10/29/2012 15:35
10-24-12 FDUP-3	J182-07	RES		10/29/2012 15:36
10-24-12 WB 2-2	J182-06	RES		10/29/2012 15:36

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J182 **Laboratory :** EMXT **Lab Report Date :** 12/07/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
300.0									
	10-24-12 WB 2-3	J182-02I	DL	GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
			DL2	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
	10-24-12 FDUP-3	J182-07	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
		J182-07I	DL	GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
	10-24-12 PWB-15	J182-03	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
		J182-03I	DL	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
	10-24-12 PWB-2	J182-04	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
		J182-04I	DL	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
	10-24-12 PWB-7A	J182-05	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
		J182-05I	DL	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
	10-24-12 WB 2-2	J182-06	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
		J182-06I	DL	GEN PREP	AQ	10/24/2012	10/25/2012		10/25/2012
415.1									
	10-24-12 WB 2-3	J182-02	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 FDUP-3	J182-07		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 PWB-15	J182-03		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 PWB-2	J182-04		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 PWB-7A	J182-05		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 WB 2-2	J182-06		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
8151									
	10-24-12 WB 2-3	J182-02	RES	GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	10/31/2012
	10-24-12 FDUP-3	J182-07		GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	11/01/2012
	10-24-12 PWB-15	J182-03		GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	10/31/2012
	10-24-12 PWB-2	J182-04		GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	11/01/2012
	10-24-12 PWB-7A	J182-05I		GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	11/01/2012
	10-24-12 WB 2-2	J182-06		GEN PREP	AQ	10/24/2012	10/25/2012	10/30/2012	11/01/2012
8260B									
	10-24-12 WB 2-3	J182-02	RES	5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
	10-24-12 FDUP-3	J182-07		5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
	10-24-12 PWB-15	J182-03		5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
	10-24-12 PWB-2	J182-04		5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : 12J182 **Laboratory :** EMXT **Lab Report Date :** 12/07/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
	10-24-12 PWB-7A	J182-05	RES	5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
	10-24-12 TB-2	J182-01		5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
	10-24-12 WB 2-2	J182-06		5030B	AQ	10/24/2012	10/25/2012	10/30/2012	10/30/2012
8260B SIM									
	10-24-12 WB 2-3	J182-02	RES	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
	10-24-12 FDUP-3	J182-07		5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
		J182-07T	DL	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
	10-24-12 PWB-15	J182-03	RES	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
		J182-03T	DL	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
	10-24-12 PWB-2	J182-04	RES	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
		J182-04T	DL	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
	10-24-12 PWB-7A	J182-05	RES	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
		J182-05I	DL2	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
		J182-05T	DL	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
	10-24-12 WB 2-2	J182-06	RES	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
		J182-06T	DL	5030B	AQ	10/24/2012	10/25/2012	10/31/2012	10/31/2012
FE3500									
	10-24-12 WB 2-3	J182-02	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
	10-24-12 FDUP-3	J182-07		GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
	10-24-12 PWB-15	J182-03		GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
	10-24-12 PWB-2	J182-04		GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
	10-24-12 PWB-7A	J182-05		GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
	10-24-12 WB 2-2	J182-06		GEN PREP	AQ	10/24/2012	10/25/2012		10/26/2012
SM4500S2D									
	10-24-12 WB 2-3	J182-02	RES	GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 FDUP-3	J182-07		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 PWB-15	J182-03		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 PWB-2	J182-04		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 PWB-7A	J182-05		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012
	10-24-12 WB 2-2	J182-06		GEN PREP	AQ	10/24/2012	10/25/2012		10/29/2012

QC Outlier Report: Holding Times

Lab Report Batch: 12J182 **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**
10-24-12 WB 2-3	J182-02	FE3500	AQ	GEN PREP			49.9			48	Hours	10/24/2012 13:34		10/26/2012 15:29
10-24-12 WB 2-3MS	J182-02M	FE3500	AQ	GEN PREP			49.9			48	Hours	10/24/2012 13:34		10/26/2012 15:30
10-24-12 WB 2-3MS	J182-02S	FE3500	AQ	GEN PREP			49.9			48	Hours	10/24/2012 13:34		10/26/2012 15:30
10-24-12 FDUP-3	J182-07I	300.0	AQ	GEN PREP			48.2			48	Hours	10/24/2012 00:00		10/26/2012 00:14
	J182-07	FE3500	AQ	GEN PREP			63.5			48	Hours	10/24/2012 00:00		10/26/2012 15:31
10-24-12 PWB-15	J182-03	FE3500	AQ	GEN PREP			50.3			48	Hours	10/24/2012 13:15		10/26/2012 15:30
10-24-12 PWB-2	J182-04	FE3500	AQ	GEN PREP			48.1			48	Hours	10/24/2012 15:22		10/26/2012 15:30
10-24-12 PWB-7A	J182-05	FE3500	AQ	GEN PREP			48.7			48	Hours	10/24/2012 14:50		10/26/2012 15:30
10-24-12 WB 2-2	J182-06	FE3500	AQ	GEN PREP			48.7			48	Hours	10/24/2012 14:48		10/26/2012 15:31

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

Lab Report Batch: 12J182 **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	10-24-12 WB 2-2	DL	2.5	U	10-24-12 FDUP-3	DL	2.5	U	200.0		UG/L
	AQ	1,2-DIBROMO-3-CHLOROPROPAN		DL	2.5	U		RES	0.29		200.0		UG/L
	AQ	1,2-DIBROMO-3-CHLOROPROPAN		RES	0.30			DL	2.5	U	200.0		UG/L
	AQ	1,2-DIBROMO-3-CHLOROPROPAN		RES	0.30			RES	0.29		3.4		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-10-425 - BROWN & BRYANT SUPERFUND SITE***

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : FEJ006W **Analysis Method :** FE3500 **Analysis Date :** 10/26/2012

Preparation Batch : FEJ006W **Preparation Type :** GEN PREP **Preparation Date :**

Lab Reporting Batch : 12J182 **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**
10-24-12 WB 2-3MS	J182-02M	AQ	FERROUS IRON	29		30.00	75.00	125.00	20.00
10-24-12 WB 2-3MSD	J182-02S		FERROUS IRON	29		30.00	75.00	125.00	20.00

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

Client Sample ID	**Lab Sample ID**
10-24-12 WB 2-3	J182-02
10-24-12 FDUP-3	J182-07
10-24-12 PWB-15	J182-03
10-24-12 PWB-2	J182-04
10-24-12 PWB-7A	J182-05
10-24-12 WB 2-2	J182-06

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

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : HEJ010W **Analysis Method :** 8151 **Analysis Date :** 10/31/2012

Preparation Batch : HEJ010W **Preparation Type :** GEN PREP **Preparation Date :** 10/30/2012

Lab Reporting Batch : 12J182 **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**
10-24-12 WB 2-3MS	J182-02M	AQ	DINOSEB	17		0.00	20.00	100.00	30.00
10-24-12 WB 2-3MSD	J182-02S		DINOSEB		80	0.00	20.00	100.00	30.00

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

Client Sample ID	**Lab Sample ID**
10-24-12 WB 2-3	J182-02
10-24-12 FDUP-3	J182-07
10-24-12 PWB-15	J182-03
10-24-12 PWB-2	J182-04
10-24-12 PWB-7A	J182-05I
10-24-12 WB 2-2	J182-06

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

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

Matrix Spike / Matrix Spike Duplicate Outlier Report

Method Batch : VO05J23 **Analysis Method :** 8260B SIM **Analysis Date :** 10/31/2012

Preparation Batch : VO05J23 **Preparation Type :** 5030B **Preparation Date :** 10/31/2012

Lab Reporting Batch : 12J182 **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**
10-24-12 WB 2-3MS	J182-02M	AQ	1,2,3-TRICHLOROPROPANE	134		0.00	75.00	125.00	30.00

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

Client Sample ID	**Lab Sample ID**
10-24-12 WB 2-3	J182-02
10-24-12 FDUP-3	J182-07T
10-24-12 FDUP-3	J182-07
10-24-12 PWB-15	J182-03T
10-24-12 PWB-15	J182-03
10-24-12 PWB-2	J182-04T
10-24-12 PWB-2	J182-04
10-24-12 PWB-7A	J182-05T
10-24-12 PWB-7A	J182-05I
10-24-12 PWB-7A	J182-05
10-24-12 WB 2-2	J182-06T
10-24-12 WB 2-2	J182-06

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

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE***

Reporting Limits Outlier Report

Lab Report Batch: 12J182 **Lab ID:** EMXT

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qual	Result	Reporting Limit	Units
10-24-12 WB 2-3	J182-02	415.1	AQ	TOC	J	0.946	1.00	MG/L
		8260B		CHLOROFORM	J	0.52	1.00	UG/L
				CHLOROMETHANE	J	0.42	1.00	UG/L
10-24-12 FDUP-3	J182-07	415.1	AQ	TOC	J	0.851	1.00	MG/L
10-24-12 PWB-15	J182-03	415.1	AQ	TOC	J	0.740	1.00	MG/L
		8151		DINOSEB	J	0.36	0.40	UG/L
		8260B		1,2,3-TRICHLOROPROPANE	J	0.74	1.00	UG/L
10-24-12 PWB-2	J182-04	415.1	AQ	TOC	J	0.735	1.00	MG/L
		8260B		1,2,3-TRICHLOROPROPANE	J	0.54	1.00	UG/L
				TETRACHLOROETHENE	J	0.24	1.00	UG/L
10-24-12 PWB-7A	J182-05	415.1	AQ	TOC	J	0.959	1.00	MG/L
		8260B		CHLOROFORM	J	0.54	1.00	UG/L
10-24-12 WB 2-2	J182-06	415.1	AQ	TOC	J	0.798	1.00	MG/L
		8260B		1,2-DICHLOROPROPANE	J	0.99	1.00	UG/L

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

Client Sample ID : 10-24-12 WB 2-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-02

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 : ***415.1***																			
TOC	0.946	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	0.40	UG/L	U	YES	**UJ**					UJ									I,H-
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															
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-10-425 - BROWN & BRYANT SUPERFUND SITE*** ***Library Used:*** ***ECO_BrownandBryant_121114***

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

Client Sample ID : 10-24-12 WB 2-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-02

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
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	0.52	UG/L	J	YES	**J**								J						L
CHLOROMETHANE	0.42	UG/L	J	YES	**J**								J						L
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 : 10-24-12 WB 2-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-02

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*																			
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	0.50	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															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**R**		UJ			R									H-,C-

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE*** ***Library Used:*** ***ECO_BrownandBryant_121114***

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

Client Sample ID : 10-24-12 WB 2-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-02

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 : *SM4500S2D*																			
SULFIDE	0.1	MG/L	U	YES															

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

Client Sample ID : 10-24-12 WB 2-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-02I

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	5.22	MG/L		YES															
NITRITE-N	12.0	MG/L		YES															

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

Client Sample ID : 10-24-12 WB 2-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: J182-02I

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***																			
SULFATE	95.6	MG/L		YES															

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

Client Sample ID : 10-24-12 FDUP-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-07

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	0.851	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	0.91	UG/L		YES	**J**					J									I,H-
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	5.6	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	1.1	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 : 10-24-12 FDUP-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-07

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
1,3-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 : 10-24-12 FDUP-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-07

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	9.5	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.29	UG/L		YES															

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

Client Sample ID : 10-24-12 FDUP-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-07

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	**R**		UJ			R									H-,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 : 10-24-12 FDUP-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-07I

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	38.6	MG/L		YES	**J-**		J-												C-
SULFATE	98.7	MG/L		YES	**J-**		J-												C-

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

Client Sample ID : 10-24-12 FDUP-3 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-07T

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	8.6	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	2.5	UG/L	U	NO															P
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 : 10-24-12 PWB-15 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-03

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	0.740	MG/L	J	YES	**J**								J						L
Analysis Method : *8151*																			
DINOSEB	0.36	UG/L	J	YES	**J**					J			J						L,H-,I
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	0.74	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	7.9	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 : 10-24-12 PWB-15 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-03

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	8.7	UG/L		YES															
CHLOROMETHANE	1.0	UG/L	U	YES															
CIS-1,2-DICHLOROETHENE	1.0	UG/L	U	YES															
CIS-1,3-DICHLOROPROPENE	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 : 10-24-12 PWB-15 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-03

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	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	1.3	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.11	UG/L		YES															

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

Client Sample ID : 10-24-12 PWB-15 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-03

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	**R**		UJ			R									H-,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 : 10-24-12 PWB-15 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-03I

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	24.6	MG/L		YES															
SULFATE	77.6	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-15 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-03T

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	1.2	UG/L		YES	**J+**					J+									H+
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 : 10-24-12 PWB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-04

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	0.735	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	0.40	UG/L	U	YES	**UJ**					UJ									I,H-
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	0.54	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	6.6	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 : 10-24-12 PWB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-04

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	1.0	UG/L	U	YES															
CHLOROBENZENE	1.0	UG/L	U	YES															
CHLOROETHANE	1.0	UG/L	U	YES															
CHLOROFORM	2.1	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															

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

Client Sample ID : 10-24-12 PWB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-04

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															
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	0.24	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	1.0	UG/L	E	NO	**J+**					J+									H+
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 : 10-24-12 PWB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-04

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	**R**		UJ			R									H-,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 : 10-24-12 PWB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-04I

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	29.6	MG/L		YES															
SULFATE	98.7	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-04T

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	1.1	UG/L		YES	**J+**					J+									H+
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 : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-05

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	0.959	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	35	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	1.3	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	17	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 : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-05

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	0.54	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 : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-05

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	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	54	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	1.4	UG/L	E	NO															
1,2-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**R**		UJ			R									H-,C-

Project Number and Name: ***ECO-10-425 - BROWN & BRYANT SUPERFUND SITE*** ***Library Used:*** ***ECO_BrownandBryant_121114***

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

Client Sample ID : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-05

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	0.1	MG/L	U	YES															

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

Client Sample ID : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-05I

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	53.6	MG/L		YES															
SULFATE	57.4	MG/L		YES															

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

Client Sample ID : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL2*** **Sample Matrix :** AQ

Lab Sample ID: J182-05I

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 : ***8260B SIM***																			
1,2,3-TRICHLOROPROPANE	55	UG/L		YES	**J+**					J+									H+
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 : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-05I

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 : ***8151***																			
DINOSEB	17	UG/L		YES	**J**					J									I,H-

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

Client Sample ID : 10-24-12 PWB-7A **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-05T

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	62	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	1.3	UG/L		YES															
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 : 10-24-12 TB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-01

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***																			
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 : 10-24-12 TB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-01

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***																			
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 : 10-24-12 TB-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-01

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***																			
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 : 10-24-12 WB 2-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-06

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***																			
NITRITE-N	0.100	MG/L	U	YES															
Analysis Method : ***415.1***																			
TOC	0.798	MG/L	J	YES	**J**								J						L
Analysis Method : ***8151***																			
DINOSEB	0.90	UG/L		YES	**J**					J									I,H-
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	5.7	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	0.99	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 : 10-24-12 WB 2-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-06

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
1,3-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 : 10-24-12 WB 2-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-06

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***																			
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	9.1	UG/L	E	NO	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	0.30	UG/L		YES															P

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

Client Sample ID : 10-24-12 WB 2-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: J182-06

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-DIBROMOETHANE	0.050	UG/L	U	YES															
Analysis Method : *FE3500*																			
FERROUS IRON	2	MG/L	U	YES	**R**		UJ			R									H-,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 : 10-24-12 WB 2-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-06I

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	38.6	MG/L		YES															
SULFATE	97.0	MG/L		YES															

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

Client Sample ID : 10-24-12 WB 2-2 **Lab Report Batch :** 12J182 **Lab ID :** EMXT

Sample Date : 10/24/2012 **Analysis Type:** ***DL*** **Sample Matrix :** AQ

Lab Sample ID: J182-06T

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	9.3	UG/L		YES	**J+**					J+									H+
1,2-DIBROMO-3-CHLOROPROPANE	2.5	UG/L	U	NO															P
1,2-DIBROMOETHANE	2.5	UG/L	U	NO															

Automatic Data Validation Report

Ground water Monitoring
EPA Method
RSK175
@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # D102603

October, 2012

By

Ziba Hosseini

EDD Non-Conformance Report
Lab Reporting Batch ID: D102603

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 20:52**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	0
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 : 2

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: D102603

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 20:52**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3		Project Number	0025	The project name "Eco & Associates, Inc." 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 "12J162" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: D102603

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 20:52**

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: D102603

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 20:52**

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 : D102603 **Laboratory :** AirTech

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-24-12 FDUP-1	**FD**	10-24-12 BBW-3	10/24/2012 10:50

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: D102603

Method: RSK175

Matrix ID: AQ **Preparation Batch: 121105GC8A**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
121105GC8ABS	121105GC8ABS	RES	LCS	11/05/2012 11:04
121105GC8ABD	121105GC8ABD	RES	LCSD	11/05/2012 11:27
121105GC8AMB	121105GC8AMB	RES	MB	11/05/2012 12:22
10-24-12 BBW-1	D102603-01	RES	Normal sample	11/05/2012 13:00
10-24-12 BBW-2	D102603-02	RES	Normal sample	11/05/2012 13:14
10-24-12 BBW-3	D102603-03	RES	Normal sample	11/05/2012 13:28
10-24-12 FDUP-1	D102603-04	RES	Normal sample	11/05/2012 13:52
10-23-12 PWB-6	D102603-05	RES	Normal sample	11/05/2012 14:38
10-23-12 AR-1	D102603-06	RES	Normal sample	11/05/2012 14:59
10-23-12 PWB-1	D102603-07	RES	Normal sample	11/05/2012 15:13
10-23-12 PWB-3	D102603-11	RES	Normal sample	11/05/2012 16:17
10-23-12 PWB-10	D102603-12	RES	Normal sample	11/05/2012 16:34
10-23-12 AMW-3RMSD	D102603-10MSD	RES	MSD	11/06/2012 16:08
10-23-12 AMW-3RMS	D102603-09MS	RES	MS	11/06/2012 16:08
10-23-12 AMW-3R	D102603-08	RES	Normal sample	11/06/2012 16:08

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: D102603

Method: RSK175

Matrix ID: AQ **Method Batch: 121105GC8A**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
121105GC8ABS	121105GC8ABS	RES	LCS	11/05/2012 11:04
121105GC8ABD	121105GC8ABD	RES	LCSD	11/05/2012 11:27
10-24-12 BBW-1	D102603-01	RES		11/05/2012 13:00
10-24-12 BBW-2	D102603-02	RES		11/05/2012 13:14
10-24-12 BBW-3	D102603-03	RES		11/05/2012 13:28
10-24-12 FDUP-1	D102603-04	RES		11/05/2012 13:52
10-23-12 PWB-6	D102603-05	RES		11/05/2012 14:38
10-23-12 AR-1	D102603-06	RES		11/05/2012 14:59
10-23-12 PWB-1	D102603-07	RES		11/05/2012 15:13
10-23-12 PWB-3	D102603-11	RES		11/05/2012 16:17
10-23-12 PWB-10	D102603-12	RES		11/05/2012 16:34
10-23-12 AMW-3RMSD	D102603-10MSD	RES	MSD	11/06/2012 16:08
10-23-12 AMW-3RMS	D102603-09MS	RES	MS	11/06/2012 16:08
10-23-12 AMW-3R	D102603-08	RES		11/06/2012 16:08

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : D102603 **Laboratory :** AirTech **Lab Report Date :** 11/18/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
RSK175									
	10-23-12 AMW-3R	D102603-08	RES	Gen Prep	AQ	10/23/2012	10/26/2012	11/06/2012	11/06/2012
	10-23-12 AR-1	D102603-06		Gen Prep	AQ	10/23/2012	10/26/2012	11/05/2012	11/05/2012
	10-23-12 PWB-1	D102603-07		Gen Prep	AQ	10/23/2012	10/26/2012	11/05/2012	11/05/2012
	10-23-12 PWB-10	D102603-12		Gen Prep	AQ	10/23/2012	10/26/2012	11/05/2012	11/05/2012
	10-23-12 PWB-3	D102603-11		Gen Prep	AQ	10/23/2012	10/26/2012	11/05/2012	11/05/2012
	10-23-12 PWB-6	D102603-05		Gen Prep	AQ	10/23/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 BBW-1	D102603-01		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 BBW-2	D102603-02		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 BBW-3	D102603-03		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 FDUP-1	D102603-04		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012

Temperature Outlier Report

Lab Report Batch: D102603 **Lab ID:** AirTech

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	
10-23-12 AMW-3R	D102603-08	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 AR-1	D102603-06	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-1	D102603-07	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-10	D102603-12	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-3	D102603-11	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-6	D102603-05	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 BBW-1	D102603-01	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 BBW-2	D102603-02	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 BBW-3	D102603-03	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 FDUP-1	D102603-04	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R

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

Client Sample ID : 10-23-12 AMW-3R **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-08

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 AR-1 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-06

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-1 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-07

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-10 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-12

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-3 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-11

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-6 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-05

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 BBW-1 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-01

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 BBW-2 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-02

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 BBW-3 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-03

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 FDUP-1 **Lab Report Batch :** D102603 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102603-04

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

Automatic Data Validation Report

Ground water Monitoring
EPA Method
RSK175
@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # D102604

October, 2012

By

Ziba Hosseini

EDD Non-Conformance Report
Lab Reporting Batch ID: D102604

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:04**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	0
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	2
0031	0
0032	0
0033	0
0034	0
0035	0
0036	0
0037	0
0038	0

Total : 4

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: D102604

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:04**

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 121031GC8A in method RSK175.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Missing a Matrix Spike record in Table A3 for Method Batch 121031GC8A in method RSK175.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3		Project Number	0025	The project name "Eco & Associates, Inc." 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 "12J163" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: D102604

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:04**

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: D102604

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:04**

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 : D102604 **Laboratory :** AirTech

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-24-12 EB-1	**EB**	10-23-12 AMW-4R	10/23/2012 12:40
		10-23-12 PWB-11	10/23/2012 15:52
		10-23-12 PWB-16	10/23/2012 15:01
		10-23-12 PWB-5	10/23/2012 14:32
		10-23-12 PWB-8	10/23/2012 13:20
		10-23-12 PWB-9	10/23/2012 13:20
		10-23-12 WB 2-1	10/23/2012 15:06
		10-23-12 WB 2-4	10/23/2012 10:56
		10-24-12 FDUP-2	10/24/2012 12:00
		10-24-12 PWB-12	10/24/2012 09:22
		10-24-12 PWB-13A	10/24/2012 08:44
		10-24-12 PWB-14	10/24/2012 08:06
		10-24-12 PWB-4	10/24/2012 10:00
10-24-12 FDUP-2	**FD**	10-24-12 PWB-4	10/24/2012 10:00
10-23-12 TB-1	**TB**	10-23-12 AMW-4R	10/23/2012 12:40
		10-23-12 PWB-11	10/23/2012 15:52
		10-23-12 PWB-16	10/23/2012 15:01
		10-23-12 PWB-5	10/23/2012 14:32
		10-23-12 PWB-8	10/23/2012 13:20
		10-23-12 PWB-9	10/23/2012 13:20
		10-23-12 WB 2-1	10/23/2012 15:06
		10-23-12 WB 2-4	10/23/2012 10:56
		10-24-12 FDUP-2	10/24/2012 12:00
		10-24-12 PWB-12	10/24/2012 09:22
		10-24-12 PWB-13A	10/24/2012 08:44
		10-24-12 PWB-14	10/24/2012 08:06
		10-24-12 PWB-4	10/24/2012 10:00

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: D102604

Method: RSK175

Matrix ID: AQ **Preparation Batch: 121031GC8A**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
121031GC8ABS	121031GC8ABS	RES	LCS	10/31/2012 11:01
121031GC8ABD	121031GC8ABD	RES	LCSD	10/31/2012 11:16
121031GC8AMB	121031GC8AMB	RES	MB	10/31/2012 13:10
10-23-12 AMW-4R	D102604-01	RES	Normal sample	10/31/2012 14:11
10-23-12 WB 2-4	D102604-02	RES	Normal sample	10/31/2012 14:43
10-23-12 WB 2-1	D102604-03	RES	Normal sample	10/31/2012 15:18
10-23-12 PWB-9	D102604-04	RES	Normal sample	10/31/2012 15:50
10-23-12 PWB-11	D102604-05	RES	Normal sample	10/31/2012 16:03
10-23-12 PWB-5	D102604-06	RES	Normal sample	10/31/2012 16:21
10-23-12 PWB-8	D102604-07	RES	Normal sample	10/31/2012 16:35
10-23-12 PWB-16	D102604-08	RES	Normal sample	10/31/2012 16:50
10-24-12 PWB-12	D102604-09	RES	Normal sample	10/31/2012 17:04
10-24-12 PWB-4	D102604-10	RES	Normal sample	10/31/2012 17:19
10-24-12 PWB-13A	D102604-11	RES	Normal sample	11/01/2012 08:30
10-24-12 PWB-14	D102604-12	RES	Normal sample	11/01/2012 08:30
10-24-12 FDUP-2	D102604-13	RES	Normal sample	11/01/2012 08:45

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: D102604

Method: RSK175

Matrix ID: AQ **Method Batch: 121031GC8A**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
121031GC8ABS	121031GC8ABS	RES	LCS	10/31/2012 11:01
121031GC8ABD	121031GC8ABD	RES	LCSD	10/31/2012 11:16
10-23-12 AMW-4R	D102604-01	RES		10/31/2012 14:11
10-23-12 WB 2-4	D102604-02	RES		10/31/2012 14:43
10-23-12 WB 2-1	D102604-03	RES		10/31/2012 15:18
10-23-12 PWB-9	D102604-04	RES		10/31/2012 15:50
10-23-12 PWB-11	D102604-05	RES		10/31/2012 16:03
10-23-12 PWB-5	D102604-06	RES		10/31/2012 16:21
10-23-12 PWB-8	D102604-07	RES		10/31/2012 16:35
10-23-12 PWB-16	D102604-08	RES		10/31/2012 16:50
10-24-12 PWB-12	D102604-09	RES		10/31/2012 17:04
10-24-12 PWB-4	D102604-10	RES		10/31/2012 17:19
10-24-12 PWB-14	D102604-12	RES		11/01/2012 08:30
10-24-12 PWB-13A	D102604-11	RES		11/01/2012 08:30
10-24-12 FDUP-2	D102604-13	RES		11/01/2012 08:45

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : D102604 **Laboratory :** AirTech **Lab Report Date :** 11/19/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
RSK175									
	10-23-12 AMW-4R	D102604-01	RES	Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 PWB-11	D102604-05		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 PWB-16	D102604-08		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 PWB-5	D102604-06		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 PWB-8	D102604-07		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 PWB-9	D102604-04		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 WB 2-1	D102604-03		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-23-12 WB 2-4	D102604-02		Gen Prep	AQ	10/23/2012	10/26/2012	10/31/2012	10/31/2012
	10-24-12 FDUP-2	D102604-13		Gen Prep	AQ	10/24/2012	10/26/2012	11/01/2012	11/01/2012
	10-24-12 PWB-12	D102604-09		Gen Prep	AQ	10/24/2012	10/26/2012	10/31/2012	10/31/2012
	10-24-12 PWB-13A	D102604-11		Gen Prep	AQ	10/24/2012	10/26/2012	11/01/2012	11/01/2012
	10-24-12 PWB-14	D102604-12		Gen Prep	AQ	10/24/2012	10/26/2012	11/01/2012	11/01/2012
	10-24-12 PWB-4	D102604-10		Gen Prep	AQ	10/24/2012	10/26/2012	10/31/2012	10/31/2012

Temperature Outlier Report

Lab Report Batch: D102604 **Lab ID:** AirTech

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	
10-23-12 AMW-4R	D102604-01	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-11	D102604-05	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-16	D102604-08	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-5	D102604-06	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-8	D102604-07	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 PWB-9	D102604-04	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 WB 2-1	D102604-03	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-23-12 WB 2-4	D102604-02	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 FDUP-2	D102604-13	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-12	D102604-09	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-13A	D102604-11	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-14	D102604-12	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-4	D102604-10	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R

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

Client Sample ID : 10-23-12 AMW-4R **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-01

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-11 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-05

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-16 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-08

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-5 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-06

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-8 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-07

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 PWB-9 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-04

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 WB 2-1 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-03

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-23-12 WB 2-4 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/23/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-02

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 FDUP-2 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-13

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-12 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-09

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-13A **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-11

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-14 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-12

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-4 **Lab Report Batch :** D102604 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102604-10

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

Automatic Data Validation Report

Ground water Monitoring
EPA Method
RSK175
@
Brown & Bryant, Arvin, California

Project #: Eco-12-548

SDG # D102605

October, 2012

By

Ziba Hosseini

EDD Non-Conformance Report
Lab Reporting Batch ID: D102605

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:12**

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	0
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 : 2

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: D102605

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:12**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3		Project Number	0025	The project name "Eco & Associates, Inc." 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 "12J182" entered in one or more records does not match any of the project numbers entered in the standard values table.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: D102605

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:12**

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: D102605

Project Library: ECO_BrownandBryant_121114 **Laboratory: AirTech**

Library Description: ECO - Brown and Bryant **Report Date: 2/6/2013 21:12**

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 : D102605 **Laboratory :** AirTech

Field QC Sample	*QC Type*	*Associated Samples*	*Sample Collection Date*
10-24-12 FDUP-3	**FD**	10-24-12 WB 2-2	10/24/2012 14:48
10-24-12 TB-2	**TB**	10-24-12 FDUP-3	10/24/2012 12:00
		10-24-12 PWB-15	10/24/2012 13:15
		10-24-12 PWB-2	10/24/2012 15:22
		10-24-12 PWB-7A	10/24/2012 14:50

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: D102605

Method: RSK175

Matrix ID: AQ **Preparation Batch: 121105GC8A**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
121105GC8ABS	121105GC8ABS	RES	LCS	11/05/2012 11:04
121105GC8ABD	121105GC8ABD	RES	LCSD	11/05/2012 11:27
121105GC8AMB	121105GC8AMB	RES	MB	11/05/2012 12:22
10-24-12 PWB-15	D102605-04	RES	Normal sample	11/05/2012 17:39
10-24-12 PWB-2	D102605-05	RES	Normal sample	11/05/2012 17:59
10-24-12 PWB-7A	D102605-06	RES	Normal sample	11/05/2012 18:10
10-24-12 WB 2-2	D102605-07	RES	Normal sample	11/05/2012 18:23
10-24-12 FDUP-3	D102605-08	RES	Normal sample	11/05/2012 18:36
10-24-12 WB 2-3	D102605-01	RES	Normal sample	11/06/2012 17:05
10-24-12 WB 2-3MS	D102605-02MS	RES	MS	11/06/2012 17:39
10-24-12 WB 2-3MSD	D102605-03MSD	RES	MSD	11/06/2012 18:09

EDD Method Batch Summary and Associated Samples

EDD Reporting Batch ID: D102605

Method: RSK175

Matrix ID: AQ **Method Batch: 121105GC8A**

Client Sample ID	Lab Sample ID	Analysis Type	Sample Type	Analysis Date and Time
121105GC8ABS	121105GC8ABS	RES	LCS	11/05/2012 11:04
121105GC8ABD	121105GC8ABD	RES	LCSD	11/05/2012 11:27
10-24-12 PWB-15	D102605-04	RES		11/05/2012 17:39
10-24-12 PWB-2	D102605-05	RES		11/05/2012 17:59
10-24-12 PWB-7A	D102605-06	RES		11/05/2012 18:10
10-24-12 WB 2-2	D102605-07	RES		11/05/2012 18:23
10-24-12 FDUP-3	D102605-08	RES		11/05/2012 18:36
10-24-12 WB 2-3	D102605-01	RES		11/06/2012 17:05
10-24-12 WB 2-3MS	D102605-02MS	RES	MS	11/06/2012 17:39
10-24-12 WB 2-3MSD	D102605-03MSD	RES	MSD	11/06/2012 18:09

The Method Batch links MS/MSD and Lab Dups to associated samples

EDD Summary Report by Analysis Method

Laboratory Reporting Batch : D102605 **Laboratory :** AirTech **Lab Report Date :** 11/18/2012

Analysis Method	Client Sample ID	Lab Sample ID	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
RSK175									
	10-24-12 WB 2-2	D102605-07	RES	Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 FDUP-3	D102605-08		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 PWB-15	D102605-04		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 PWB-2	D102605-05		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 PWB-7A	D102605-06		Gen Prep	AQ	10/24/2012	10/26/2012	11/05/2012	11/05/2012
	10-24-12 WB 2-3	D102605-01		Gen Prep	AQ	10/24/2012	10/26/2012	11/06/2012	11/06/2012

Temperature Outlier Report

Lab Report Batch: D102605 **Lab ID:** AirTech

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	
10-24-12 WB 2-2	D102605-07	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 FDUP-3	D102605-08	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-15	D102605-04	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-2	D102605-05	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 PWB-7A	D102605-06	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R
10-24-12 WB 2-3	D102605-01	RSK175	AQ	25	2	6	10	J	J-	UJ	J	J-	R

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

Client Sample ID : 10-24-12 WB 2-2 **Lab Report Batch :** D102605 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102605-07

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 FDUP-3 **Lab Report Batch :** D102605 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102605-08

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-15 **Lab Report Batch :** D102605 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102605-04

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-2 **Lab Report Batch :** D102605 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102605-05

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 PWB-7A **Lab Report Batch :** D102605 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102605-06

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	1.0	ug/L	U	YES	**R**	R													A-

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

Client Sample ID : 10-24-12 WB 2-3 **Lab Report Batch :** D102605 **Lab ID :** AirTech

Sample Date : 10/24/2012 **Analysis Type:** ***RES*** **Sample Matrix :** AQ

Lab Sample ID: D102605-01

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 : ***RSK175***																			
HYDROGEN	10	ug/L	U	YES	**R**	R													A-
METHANE	8.8	ug/L		YES	**J-**	J-													A-