DataVal, Inc.

TD
RC updated
5/21/07

✓D% DB (RA)
6/27/07
✓VOC DB (RA)
6/28/07

MEMORANDUM

TO: Carl Brickner
Environmental Scientist
USEPA Region 9 Quality Assurance Office (PMD-3)

FROM: Donna Breaux DB 10/2/06
Senior Reviewer, DataVal, Inc.

DATE: October 2, 2006

SUBJECT: Review of Analytical Data

Attached are comments resulting from DataVal's review of the following analytical data:

SITE:	Omega Chemical OU-2 March 2006 Sampling
SITE ACCOUNT NO.:	09 BC LA 02
CERCLIS ID NO.:	CAD042245001
CASE NO.:	R06S31
SDG NO.:	06069D and 06075B
LABORATORY:	Region 9 Laboratory, Richmond, CA
ANALYSIS:	Volatile Organic Compounds and 1,4-Dioxane
SAMPLE NO.:	23 Water Samples (see Case Summary)
COLLECTION DATE:	March 9, 13, 14 and 15, 2006
REVIEWERS:	Lisa Norosky/Agnieszka Jankowski, DataVal, Inc.

If there are any questions, please contact Donna Breaux at (415) 883-2780.

Attachment

TPO: [ ]FYI [X]Attention [ ]Action

SAMPLING ISSUES: [X]Yes [ ]No

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DataVal, Inc.

Data Validation Report

Case No.: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
Laboratory: Region 9 Laboratory, Richmond, CA
Reviewer: Lisa Norosky/ Agnieszka Jankowski, DataVal, Inc.
Date: October 2, 2006

I. Case Summary

SAMPLE INFORMATION:

Analysis: Volatile Organic Compounds and 1,4-Dioxane
SOW: N/A

VOC Samples in SDG 06075B: OC2-MW23D-W-5-196, OC2-MW23D-W-4-197, OC2-MW15-W-0-198, OC2-MW15-W-1-199, OC2-MW15-W-2-200, OC2-MW13B-W-0-201, OC2-MW13B-W-3-202 and OC2-MW12-W-0-203

Concentration and Matrix: Low Concentration Water
Collection Date: March 15, 2006
Sample Receipt Date: March 16, 2006
Extraction Date: N/A
Analysis Date: March 17, 21 and 22, 2006

1,4-Dioxane Samples in SDG 06069D: OC2-MW11-W-0-176, OC2-MW11-W-1-177, OC2-MW10-W-0-179, OC2-MW3-W-0-180, OC2-MW17B-W-0-181, OC2-MW17C-W-5-183, OC2-MW16A-W-0-184, OC2-MW16B-W-0-185, OC2-MW16C-W-0-188, OC2-MW18A-W-0-189, OC2-MW18A-W-1-190, OC2-MW18B-W-0-192, OC2-MW18C-W-0-193, OC2-MW23B-W-0-194 and OC2-MW23C-W-0-195

Concentration and Matrix: Low Concentration Water
Collection Date: March 9, 13 and 14, 2006
Sample Receipt Date: March 10, 14 and 15, 2006
Extraction Date: N/A
Analysis Date: March 15, 16, 17 and 19, 2006

not in RC table

1,4-Dioxane Samples in SDG 06075B:	OC2-MW23D-W-5-196, OC2-MW15-W-0-198, OC2-MW15-W-1-199, OC2-MW13B-W-0-201 and OC2-MW12-W-0-203
Concentration and Matrix:	Low Concentration Water
Collection Date:	March 15, 2006
Sample Receipt Date:	March 16, 2006
Extraction Date:	N/A
Analysis Date:	March 21 and 22, 2006

FIELD QC:

Trip Blanks (TB):	OC2-MW23D-W-4-197
Field Blanks (FB):	OC2-MW15-W-2-200
Equipment Blanks (EB):	OC2-MW13B-W-3-202
Background Samples (BG):	None.
Field Duplicates (D1) for 1,4-dioxane:	OC2-MW11-W-0-176 and OC2-MW11-W-1-177
Field Duplicates (D2) for 1,4-dioxane:	OC2-MW18A-W-0-189 and OC2-MW18A-W-1-190
Field Duplicates (D3) for VOCs:	OC2-MW15-W-0-198 and OC2-MW15-W-1-199

METHOD BLANKS AND ASSOCIATED SAMPLES:

1,4-Dioxane:	B6C0086-BLK1:	OC2-MW11-W-0-176, OC2-MW11-W-1-177, OC2-MW10-W-0-179 and OC2-MW3-W-0-180
	B6C0104-BLK1:	OC2-MW17B-W-0-181, OC2-MW17C-W-5-183, OC2-MW16A-W-0-184 and OC2-MW16B-W-0-185
	B6C0112-BLK1:	OC2-MW16C-W-0-188, OC2-MW18A-W-0-189, OC2-MW18A-W-1-190, OC2-MW18B-W-0-192, OC2-MW18C-W-0-193, OC2-MW23B-W-0-194 and OC2-MW23C-W-0-195
	B6C0128-BLK1:	OC2-MW13B-W-0-201 and OC2-MW12-W-0-203
	B6C0145-BLK1:	OC2-MW23D-W-5-196, OC2-MW15-W-0-198 and OC2-MW15-W-1-199
VOCs:	B6C0114-BLK1:	OC2-MW15-W-0-198
	B6C0116-BLK1:	OC2-MW23D-W-4-197, OC2-MW13B-W-3-202 and OC2-MW12-W-0-203
	B6C0130-BLK1:	OC2-MW23D-W-5-196, OC2-MW15-W-0-198, OC2-MW15-W-1-199 and OC2-MW15-W-2-200
	B6C0148-BLK1:	OC2-MW13B-W-0-201
Storage Blank REFRIG. BLANK:		OC2-MW23D-W-5-196, OC2-MW23D-W-4-197, OC2-MW15-W-0-198, OC2-MW15-W-1-199, OC2-MW15-W-2-200, OC2-MW13B-W-0-201, OC2-MW13B-W-3-202 and OC2-MW12-W-0-203

TABLES:

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review
1F: Tentatively Identified Compounds

TPO ACTION:

None.

TPO ATTENTION:

Two results are estimated (J) due to calibration problems.

SAMPLING ISSUES:

The detected results for two target analytes and one tentatively identified compound are qualified as nondetected and estimated (U,J) due to contamination in trip blank OC2-MW23D-W-4-197 and equipment blank OC2-MW13B-W-3-202.

ADDITIONAL COMMENTS:

This report was prepared according to the laboratory SOPs (#315 and #354), and the documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," October, 1999 and "USEPA Contract Laboratory Program National Functional Guidelines for Low Level Organic Data Review," June, 2001.

The tentatively identified compounds (TICs) found in the samples are reported on the Form 1Fs and in attachments to the case narrative included in this report.

The Quantitation Limit (QL) of 1 ug/L for methyl tertiary-butyl ether (MTBE) was not met by the laboratory. The laboratory reporting limit for this analyte was 2 ug/L.

Quantitation limit standards were analyzed near the beginning of each analytical run. All compounds had recoveries between 50% and 150% in the QL standards, with the exception of dichloromethane at 173% and 162%. The percent recoveries failed high and the samples were non-detect for this compound.

All samples in sample delivery groups (SDG) 06069D and 06075B received full validation. This included re-calculation of all reported results for all samples included in these SDGs. All reported values for all samples were verified as correctly reported by the laboratory.

II. Validation Summary

	VOCs Acceptable/Comment		1,4-Dioxane Acceptable/Comment	
HOLDING TIMES	[YES]	[ ]	[YES]	[ ]
GC/MS TUNE	[YES]	[ ]	[YES]	[ ]
CALIBRATIONS	[NO]	[C]	[YES]	[ ]
FIELD QC	[NO]	[B, E]	[YES]	[ ]
LABORATORY BLANKS	[YES]	[ ]	[YES]	[ ]
SURROGATES	[YES]	[ ]	[YES]	[ ]
LABORATORY CONTROL SPIKE/DUPLICATE	[YES]	[ ]	[YES]	[ ]
MATRIX SPIKE/DUPLICATE	[NO]	[D]	[YES]	[ ]
INTERNAL STANDARDS	[YES]	[ ]	[YES]	[ ]
COMPOUND IDENTIFICATION	[YES]	[ ]	[YES]	[ ]
COMPOUND QUANTITATION	[YES]	[A]	[YES]	[A]
SYSTEM PERFORMANCE	[YES]	[ ]	[YES]	[ ]

III. Validity and Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- All results below the contract required quantitation limits

Results below the quantitation limits (QLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following detected results are qualified as nondetected and estimated due to trip blank or equipment blank contamination. The results are flagged "U,J" in Table 1A.

- Ethyl acetate in sample OC2-MW12-W-0-203 -08
- Freon 113 in samples OC2-MW23D-W-5-196 -01, OC2-MW13B-W-0-201 -06 and OC2-MW12-W-0-203 -08
- Tetrachloroethene in sample OC2-MW23D-W-5-196 -01

Ethyl acetate was found in trip blank OC2-MW23D-W-4-197 at a concentration of 3.8 µg/L. Freon 113 and tetrachloroethene were found in equipment blank OC2-MW13B-W-3-202 at concentrations of 0.2 ug/L and 0.2 ug/L, respectively. The results for the samples listed above are considered nondetected and estimated (U,J) and the quantitation limits have been increased according to the blank qualification rules presented below. It

should be noted that the value for ethyl acetate in the trip blank and the associated sample were reported as tentatively identified compounds (TICs) by the laboratory.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for the common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the QL, the quantitation limit is raised to the sample result (U,J). If the sample result is less than the QL, the result is reported as nondetected (U,J) at the QL.

A trip blank is laboratory reagent water which is shipped from the laboratory to the field with the empty sample containers and back to the laboratory with the filled sample containers. A trip blank is intended to detect contaminants introduced during the transport of the samples to the laboratory, although any laboratory introduced contamination will also be present. Contaminants that are found in the trip blank which are absent in the laboratory blank could be indicative of a problem in transportation, storage, the bottle preparation procedure, or other indeterminate error.

An equipment blank is clean water that has been collected as a sample using decontaminated sampling equipment. The intent of an equipment blank is to monitor for contamination introduced by the sampling activity, although any laboratory introduced contamination will also be present.

C. The quantitation limits for the following analyte are estimated due to a large percent relative standard deviation (%RSD) in the initial calibration. The results are flagged "J" in Table 1A.

- Naphthalene in sample OC2-MW15-W-0-198 and method blank B6C0114-BLK1

A percent RSD of 37% was observed for naphthalene in the initial calibration performed March 3, 2006. This value exceeds the ≤30.0% QC advisory validation criterion.

The initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical sequence and of producing a linear calibration curve.

D. The matrix spike and matrix spike duplicate results for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, dichloromethane, 2,2-dichloropropane and styrene in QC samples

OC2-MW23D-W-5-196 -01 MS/MSD did not meet the criteria for accuracy and precision specified in the laboratory SOP. The percent recoveries for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, dichloromethane, 2,2-dichloropropane and styrene are presented below.

OC2-MW23D-W-5-196 -01	MS	MSD	
Analyte	%Recovery	%Recovery	RPD
Dichlorodifluoromethane	58%	61%	5% (okay)
Chloromethane	65%	67%	2% (okay)
Vinyl chloride	67%	67%	0.3% (okay)
Bromomethane	64%	65%	0.9% (okay)
Dichloromethane	67%	66%	0.9% (okay)
2,2-Dichloropropane	24%	26%	8% (okay)
Styrene	0%	0%	0% (okay)

QC limits:	%Recovery	RPD
	70%-130%	20%

The effect of the low recoveries on the quality of the data is not known.

Matrix spike sample analysis provides information about the effect of the sample matrix on sample preparation and measurement.

E. In the analysis of the field duplicate pairs, the following relative percent differences (RPDs) were obtained for the analytes listed below.

	OC2-MW15-W-0-198 -03	OC2-MW15-W-1-199 -04	
Analyte	Conc., µg/L	Conc., µg/L	RPD
Dichlorodifluoromethane	4.7	2.7	54%
trans-1,2-Dichloroethene	2.5	1.9	27%
cis-1,2-Dichloroethene	7.5	6.1	21%
Trichlorofluoromethane	670	340	65%
1,1-Dichloroethene	2000	1000	67%
Freon 113	1400	910	42%
Chloroform	440	210	71%
Trichloroethene	540	260	70%
Tetrachloroethene	1900	840	77%

The analysis of field duplicate samples is a measure of both field and analytical precision. The imprecision in the results of the analysis of the field duplicate pair may be due to the sample matrix, method defects, or poor sampling or laboratory technique.

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: Volatile Organic Compounds
Matrix: Water

Station Location	OC2-MW23D-W-5-196				TB				FD1			
Sample ID	OC2-MW23D-W-5-196				OC2-MW23D-W-4-197				OC2-MW15-W-0-198			
Lab Sample ID	0603049-01				0603049-02				0603049-03			
Date of Collection	15-Mar-06				15-Mar-06				15-Mar-06			
Units	ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
Dichlorodifluoromethane	0.5	U		D	0.5	U			4.7			E
Chloromethane	0.5	U		D	0.5	U			0.5	U		
Vinyl chloride	0.5	U		D	0.5	U			0.5	U		
Bromomethane	0.5	U		D	0.5	U			0.5	U		
Chloroethane	0.5	U			0.5	U			0.5	U		
Trichlorofluoromethane	0.5	U			0.5	U			670			E
1,1-Dichloroethene	0.5	U			0.5	U			2000			E
Freon 113	0.2		UJ	B	0.5	U			1400			E
Acetone	4.0	U			4.0	U			4.0	U		
Dichloromethane	0.5	U		D	0.5	U			0.5	U		
trans-1,2-Dichloroethene	0.5	U			0.5	U			2.5			E
Methyl t-butyl ether(MTBE)	2.0	U			2.0	U			5.6			
1,1-Dichloroethane	0.5	U			0.5	U			5.2			
2,2-Dichloropropane	0.5	U		D	0.5	U			0.5	U		
cis-1,2-Dichloroethene	0.5	U			0.5	U			7.5			E
2-Butanone (MEK)	4.0	U			4.0	U			4.0	U		
Bromochloromethane	0.5	U			0.5	U			0.5	U		
Chloroform	0.5	U			0.5	U			440			E
1,1,1-Trichloroethane	0.5	U			0.5	U			2.0			
Carbon tetrachloride	0.5	U			0.5	U			0.2	L	J	A
1,1-Dichloropropene	0.5	U			0.5	U			0.5	U		
Benzene	0.5	U			0.5	U			0.5			
1,2-Dichloroethane	0.5	U			0.5	U			17			
Trichloroethene	0.8				0.5	U			540			E
1,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
Dibromomethane	0.5	U			0.5	U			0.5	U		
Bromodichloromethane	0.5	U			0.5	U			0.5	U		
cis-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
Toluene	0.5	U			0.5	U			0.5	U		
trans-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
1,1,2-Trichloroethane	0.5	U			0.5	U			0.7			
Tetrachloroethene	0.2		UJ	B	0.5	U			1900			E
1,3-Dichloropropane	0.5	U			0.5	U			0.5	U		
Chlorodibromomethane	0.5	U			0.5	U			0.5	U		
1,2-Dibromoethane (EDB)	0.5	U			0.5	U			0.5	U		
Chlorobenzene	0.5	U			0.5	U			0.5	U		
1,1,1,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
Ethylbenzene	0.5	U			0.5	U			0.5	U		
m&p-Xylene	1.0	U			1.0	U			1.0	U		
o-Xylene	0.5	U			0.5	U			0.5	U		
Styrene	0.5	U		D	0.5	U			0.5	U		
Bromoform	0.5	U			0.5	U			0.5	U		
Isopropylbenzene	0.5	U			0.5	U			0.5	U		
Bromobenzene	0.5	U			0.5	U			0.5	U		
1,1,2,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
1,2,3-Trichloropropane	0.5	U			0.5	U			0.5	U		
Propylbenzene	0.5	U			0.5	U			0.5	U		
2-Chlorotoluene	0.5	U			0.5	U			0.5	U		
4-Chlorotoluene	0.5	U			0.5	U			0.5	U		
1,3,5-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
tert-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2,4-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
sec-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,3-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
p-Isopropyltoluene	0.5	U			0.5	U			0.5	U		
1,4-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
1,2-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2-Dibromo-3-chloropropane	2.0	U			2.0	U			2.0	U		
1,2,4-Trichlorobenzene	0.5	U			0.5	U			0.5	U		
Hexachlorobutadiene	0.5	U			0.5	U			0.5	U		
Naphthalene	0.5	U			0.5	U			0.5	U	J	C
1,2,3-Trichlorobenzene	0.5	U			0.5	U			0.5	U		

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

A= TR
B= TB, EB
C= RSD
D= MS/MSD
E= FD

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: Volatile Organic Compounds
Matrix: Water

Station Location	FD1				FB				OC2-MW13B-W-0-201			
Sample ID	OC2-MW15-W-1-199				OC2-MW15-W-2-200				OC2-MW13B-W-0-201			
Lab Sample ID	0603049-04				0603049-05				0603049-06			
Date of Collection	15-Mar-06				15-Mar-06				15-Mar-06			
Units	ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
Dichlorodifluoromethane	2.7			E	0.5	U			0.5	U		
Chloromethane	0.5	U			0.5	U			0.5	U		
Vinyl chloride	0.5	U			0.5	U			0.5	U		
Bromomethane	0.5	U			0.5	U			0.5	U		
Chloroethane	0.5	U			0.5	U			0.5	U		
Trichlorofluoromethane	340			E	0.5	U			0.5	U		
1,1-Dichloroethene	1000			E	0.5	U			0.2	L	J	A
Freon 113	910			E	0.5	U			0.2		UJ	B
Acetone	4.0	U			4.0	U			4.0	U		
Dichloromethane	0.5	U			0.5	U			0.5	U		
trans-1,2-Dichloroethene	1.9			E	0.5	U			0.5	U		
Methyl t-butyl ether(MTBE)	6.1				2.0	U			1.3			
1,1-Dichloroethane	4.4				0.5	U			0.5	U		
2,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
cis-1,2-Dichloroethene	6.1			E	0.5	U			0.5	U		
2-Butanone (MEK)	4.0	U			4.0	U			4.0	U		
Bromochloromethane	0.5	U			0.5	U			0.5	U		
Chloroform	210			E	0.5	U			0.5	U		
1,1,1-Trichloroethane	1.7				0.5	U			0.5	U		
Carbon tetrachloride	0.2	L	J	A	0.5	U			0.5	U		
1,1-Dichloropropene	0.5	U			0.5	U			0.5	U		
Benzene	0.5				0.5	U			0.5	U		
1,2-Dichloroethane	17				0.5	U			0.7			
Trichloroethene	260			E	0.5	U			0.4	L	J	A
1,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
Dibromomethane	0.5	U			0.5	U			0.5	U		
Bromodichloromethane	0.5	U			0.5	U			0.5	U		
cis-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
Toluene	0.5	U			0.5	U			0.5	U		
trans-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
1,1,2-Trichloroethane	0.8				0.5	U			0.5	U		
Tetrachloroethene	840			E	0.5	U			1.9			
1,3-Dichloropropane	0.5	U			0.5	U			0.5	U		
Chlorodibromomethane	0.5	U			0.5	U			0.5	U		
1,2-Dibromoethane (EDB)	0.5	U			0.5	U			0.5	U		
Chlorobenzene	0.5	U			0.5	U			0.5	U		
1,1,1,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
Ethylbenzene	0.5	U			0.5	U			0.5	U		
m&p-Xylene	1.0	U			1.0	U			1.0	U		
o-Xylene	0.5	U			0.5	U			0.5	U		
Styrene	0.5	U			0.5	U			0.5	U		
Bromoform	0.5	U			0.5	U			0.5	U		
Isopropylbenzene	0.5	U			0.5	U			0.5	U		
Bromobenzene	0.5	U			0.5	U			0.5	U		
1,1,2,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
1,2,3-Trichloropropane	0.5	U			0.5	U			0.5	U		
Propylbenzene	0.5	U			0.5	U			0.5	U		
2-Chlorotoluene	0.5	U			0.5	U			0.5	U		
4-Chlorotoluene	0.5	U			0.5	U			0.5	U		
1,3,5-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
tert-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2,4-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
sec-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,3-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
p-Isopropyltoluene	0.5	U			0.5	U			0.5	U		
1,4-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
1,2-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2-Dibromo-3-chloropropane	2.0	U			2.0	U			2.0	U		
1,2,4-Trichlorobenzene	0.5	U			0.5	U			0.5	U		
Hexachlorobutadiene	0.5	U			0.5	U			0.5	U		
Naphthalene	0.5	U			0.5	U			0.5	U		
1,2,3-Trichlorobenzene	0.5	U			0.5	U			0.5	U		

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: Volatile Organic Compounds
Matrix: Water

Station Location	EB				OC2-MW12-W-0-203				Method			
Sample ID	OC2-MW13B-W-3-202				OC2-MW12-W-0-203				Blank			
Lab Sample ID	0603049-07				0603049-08				B6C0114-BLK1			
Date of Collection	15-Mar-06				15-Mar-06				20-Mar-06			
Units	ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
Dichlorodifluoromethane	0.5	U			0.5	U			0.5	U		
Chloromethane	0.5	U			0.5	U			0.5	U		
Vinyl chloride	0.5	U			0.5	U			0.5	U		
Bromomethane	0.5	U			0.5	U			0.5	U		
Chloroethane	0.5	U			0.5	U			0.5	U		
Trichlorofluoromethane	0.5	U			03	L	J	A	0.5	U		
1,1-Dichloroethene	0.5	U			6.8				0.5	U		
Freon 113	0.2	L	J	A	0.2		UJ	B	0.5	U		
Acetone	2.2	L	J	A	42				4.0	U		
Dichloromethane	0.5	U			0.5	U			0.5	U		
trans-1,2-Dichloroethene	0.5	U			0.5	U			0.5	U		
Methyl t-butyl ether(MTBE)	2.0	U			2.0	U			2.0	U		
1,1-Dichloroethane	0.5	U			0.5	U			0.5	U		
2,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
cis-1,2-Dichloroethene	0.5	U			0.5	U			0.5	U		
2-Butanone (MEK)	4.0	U			4.0	U			4.0	U		
Bromochloromethane	0.5	U			0.5	U			0.5	U		
Chloroform	0.5	U			0.2	L	J	A	0.5	U		
1,1,1-Trichloroethane	0.5	U			0.5	U			0.5	U		
Carbon tetrachloride	0.5	U			0.5	U			0.5	U		
1,1-Dichloropropene	0.5	U			0.5	U			0.5	U		
Benzene	0.5	U			0.2	L	J	A	0.5	U		
1,2-Dichloroethane	0.5	U			0.5	U			0.5	U		
Trichloroethene	0.5	U			130				0.5	U		
1,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
Dibromomethane	0.5	U			0.5	U			0.5	U		
Bromodichloromethane	0.5	U			0.5	U			0.5	U		
cis-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
Toluene	0.5	U			0.3	L	J	A	0.5	U		
trans-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
1,1,2-Trichloroethane	0.5	U			0.5	U			0.5	U		
Tetrachloroethene	02	L	J	A	8.1				0.5	U		
1,3-Dichloropropane	0.5	U			0.5	U			0.5	U		
Chlorodibromomethane	0.5	U			0.5	U			0.5	U		
1,2-Dibromoethane (EDB)	0.5	U			0.5	U			0.5	U		
Chlorobenzene	0.5	U			0.5	U			0.5	U		
1,1,1,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
Ethylbenzene	0.5	U			0.5	U			0.5	U		
m&p-Xylene	1.0	U			1.0	U			1.0	U		
o-Xylene	0.5	U			0.5	U			0.5	U		
Styrene	0.5	U			0.5	U			0.5	U		
Bromoform	0.5	U			0.5	U			0.5	U		
Isopropylbenzene	0.5	U			0.5	U			0.5	U		
Bromobenzene	0.5	U			0.5	U			0.5	U		
1,1,2,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
1,2,3-Trichloropropane	0.5	U			0.5	U			0.5	U		
Propylbenzene	0.5	U			0.5	U			0.5	U		
2-Chlorotoluene	0.5	U			0.5	U			0.5	U		
4-Chlorotoluene	0.5	U			0.5	U			0.5	U		
1,3,5-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
tert-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2,4-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
sec-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,3-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
p-Isopropyltoluene	0.5	U			0.5	U			0.5	U		
1,4-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
1,2-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2-Dibromo-3-chloropropane	2.0	U			2.0	U			2.0	U		
1,2,4-Trichlorobenzene	0.5	U			0.5	U			0.5	U		
Hexachlorobutadiene	0.5	U			0.5	U			0.5	U		
Naphthalene	0.5	U			0.5	U			0.5	U	J	C
1,2,3-Trichlorobenzene	0.5	U			0.5	U			0.5	U		

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: Volatile Organic Compounds
Matrix: Water

Station Location	Method Blank				Method Blank				Method Blank			
Sample ID	B6C0116-BLK1				B6C0130-BLK1				B6C0148-BLK1			
Lab Sample ID												
Date of Collection	17-Mar-06				21-Mar-06				22-Mar-06			
Units	ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
Dichlorodifluoromethane	0.5	U			0.5	U			0.5	U		
Chloromethane	0.5	U			0.5	U			0.5	U		
Vinyl chloride	0.5	U			0.5	U			0.5	U		
Bromomethane	0.5	U			0.5	U			0.5	U		
Chloroethane	0.5	U			0.5	U			0.5	U		
Trichlorofluoromethane	0.5	U			0.5	U			0.5	U		
1,1-Dichloroethene	0.5	U			0.5	U			0.5	U		
Freon 113	0.5	U			0.5	U			0.5	U		
Acetone	4.0	U			4.0	U			4.0	U		
Dichloromethane	0.5	U			0.5	U			0.5	U		
trans-1,2-Dichloroethene	0.5	U			0.5	U			0.5	U		
Methyl t-butyl ether(MTBE)	2.0	U			2.0	U			2.0	U		
1,1-Dichloroethane	0.5	U			0.5	U			0.5	U		
2,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
cis-1,2-Dichloroethene	0.5	U			0.5	U			0.5	U		
2-Butanone (MEK)	4.0	U			4.0	U			4.0	U		
Bromochloromethane	0.5	U			0.5	U			0.5	U		
Chloroform	0.5	U			0.5	U			0.5	U		
1,1,1-Trichloroethane	0.5	U			0.5	U			0.5	U		
Carbon tetrachloride	0.5	U			0.5	U			0.5	U		
1,1-Dichloropropene	0.5	U			0.5	U			0.5	U		
Benzene	0.5	U			0.5	U			0.5	U		
1,2-Dichloroethane	0.5	U			0.5	U			0.5	U		
Trichloroethene	0.5	U			0.5	U			0.5	U		
1,2-Dichloropropane	0.5	U			0.5	U			0.5	U		
Dibromomethane	0.5	U			0.5	U			0.5	U		
Bromodichloromethane	0.5	U			0.5	U			0.5	U		
cis-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
Toluene	0.5	U			0.5	U			0.5	U		
trans-1,3-Dichloropropene	0.5	U			0.5	U			0.5	U		
1,1,2-Trichloroethane	0.5	U			0.5	U			0.5	U		
Tetrachloroethene	0.5	U			0.5	U			0.5	U		
1,3-Dichloropropane	0.5	U			0.5	U			0.5	U		
Chlorodibromomethane	0.5	U			0.5	U			0.5	U		
1,2-Dibromoethane (EDB)	0.5	U			0.5	U			0.5	U		
Chlorobenzene	0.5	U			0.5	U			0.5	U		
1,1,1,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
Ethylbenzene	0.5	U			0.5	U			0.5	U		
m&p-Xylene	1.0	U			1.0	U			1.0	U		
o-Xylene	0.5	U			0.5	U			0.5	U		
Styrene	0.5	U			0.5	U			0.5	U		
Bromoform	0.5	U			0.5	U			0.5	U		
Isopropylbenzene	0.5	U			0.5	U			0.5	U		
Bromobenzene	0.5	U			0.5	U			0.5	U		
1,1,2,2-Tetrachloroethane	0.5	U			0.5	U			0.5	U		
1,2,3-Trichloropropane	0.5	U			0.5	U			0.5	U		
Propylbenzene	0.5	U			0.5	U			0.5	U		
2-Chlorotoluene	0.5	U			0.5	U			0.5	U		
4-Chlorotoluene	0.5	U			0.5	U			0.5	U		
1,3,5-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
tert-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2,4-Trimethylbenzene	0.5	U			0.5	U			0.5	U		
sec-Butylbenzene	0.5	U			0.5	U			0.5	U		
1,3-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
p-Isopropyltoluene	0.5	U			0.5	U			0.5	U		
1,4-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
1,2-Dichlorobenzene	0.5	U			0.5	U			0.5	U		
Butylbenzene	0.5	U			0.5	U			0.5	U		
1,2-Dibromo-3-chloropropane	2.0	U			2.0	U			2.0	U		
1,2,4-Trichlorobenzene	0.5	U			0.5	U			0.5	U		
Hexachlorobutadiene	0.5	U			0.5	U			0.5	U		
Naphthalene	0.5	U			0.5	U			0.5	U		
1,2,3-Trichlorobenzene	0.5	U			0.5	U			0.5	U		

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: Volatile Organic Compounds
Matrix: Water

Station Location Sample ID Lab Sample ID Date of Collection Units Analyte	Storage Blank REFRIG. BLANK 13-Mar-06 ug/L Result	Q	Val	Com	QL ug/L Result
Dichlorodifluoromethane	0.5	U			0.5
Chloromethane	0.5	U			0.5
Vinyl chloride	0.5	U			0.5
Bromomethane	0.5	U			0.5
Chloroethane	0.5	U			0.5
Trichlorofluoromethane	0.5	U			0.5
1,1-Dichloroethene	0.5	U			0.5
Freon 113	0.5	U			0.5
Acetone	4.0	U			4.0
Dichloromethane	0.5	U			0.5
trans-1,2-Dichloroethene	0.5	U			0.5
Methyl t-butyl ether(MTBE)	2.0	U			2.0
1,1-Dichloroethane	0.5	U			0.5
2,2-Dichloropropane	0.5	U			0.5
cis-1,2-Dichloroethene	0.5	U			0.5
2-Butanone (MEK)	4.0	U			4.0
Bromochloromethane	0.5	U			0.5
Chloroform	0.5	U			0.5
1,1,1-Trichloroethane	0.5	U			0.5
Carbon tetrachloride	0.5	U			0.5
1,1-Dichloropropene	0.5	U			0.5
Benzene	0.5	U			0.5
1,2-Dichloroethane	0.5	U			0.5
Trichloroethene	0.5	U			0.5
1,2-Dichloropropane	0.5	U			0.5
Dibromomethane	0.5	U			0.5
Bromodichloromethane	0.5	U			0.5
cis-1,3-Dichloropropene	0.5	U			0.5
Toluene	0.5	U			0.5
trans-1,3-Dichloropropene	0.5	U			0.5
1,1,2-Trichloroethane	0.5	U			0.5
Tetrachloroethene	0.5	U			0.5
1,3-Dichloropropane	0.5	U			0.5
Chlorodibromomethane	0.5	U			0.5
1,2-Dibromoethane (EDB)	0.5	U			0.5
Chlorobenzene	0.5	U			0.5
1,1,1,2-Tetrachloroethane	0.5	U			0.5
Ethylbenzene	0.5	U			0.5
m&p-Xylene	1.0	U			1.0
o-Xylene	0.5	U			0.5
Styrene	0.5	U			0.5
Bromoform	0.5	U			0.5
Isopropylbenzene	0.5	U			0.5
Bromobenzene	0.5	U			0.5
1,1,2,2-Tetrachloroethane	0.5	U			0.5
1,2,3-Trichloropropane	0.5	U			0.5
Propylbenzene	0.5	U			0.5
2-Chlorotoluene	0.5	U			0.5
4-Chlorotoluene	0.5	U			0.5
1,3,5-Trimethylbenzene	0.5	U			0.5
tert-Butylbenzene	0.5	U			0.5
1,2,4-Trimethylbenzene	0.5	U			0.5
sec-Butylbenzene	0.5	U			0.5
1,3-Dichlorobenzene	0.5	U			0.5
p-Isopropyltoluene	0.5	U			0.5
1,4-Dichlorobenzene	0.5	U			0.5
1,2-Dichlorobenzene	0.5	U			0.5
Butylbenzene	0.5	U			0.5
1,2-Dibromo-3-chloropropane	2.0	U			2.0
1,2,4-Trichlorobenzene	0.5	U			0.5
Hexachlorobutadiene	0.5	U			0.5
Naphthalene	0.5	U			0.5
1,2,3-Trichlorobenzene	0.5	U			0.5

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

ANALYTICAL RESULTS - TENTATIVELY IDENTIFIED COMPOUNDS
TABLE 1F

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: VOCs
Matrix: Water

Station Location	OC2-MW23D-W-5-196				Station Location	TB			
Sample ID	OC2-MW23D-W-5-196				Sample ID	OC2-MW23D-W-4-197			
Lab Sample ID	0603049-01				Lab Sample ID	0603049-02			
Date of Collection	15-Mar-06				Date of Collection	15-Mar-06			
Units	ug/L				Units	ug/L			
Analyte	Result	Q	Val	Com	Analyte	Result	Q	Val	Com
None					Ethyl acetate	3.8	L	NJ	

Station Location	FD1				Station Location	FD1			
Sample ID	OC2-MW15-W-0-198				Sample ID	OC2-MW15-W-1-199			
Lab Sample ID	0603049-03				Lab Sample ID	0603049-04			
Date of Collection	15-Mar-06				Date of Collection	15-Mar-06			
Units	ug/L				Units	ug/L			
Analyte	Result	Q	Val	Com	Analyte	Result	Q	Val	Com
Ethane,-dichloro-trifluoro(...	16	L	NJ		Alkane PEAK2 : Straight-Chain	15	L	NJ	
Methane, dichlorofluoro-	5.1	L	NJ		Methane, dichlorofluoro-	6.2	L	NJ	
Ethane,-dichlorotrifluoro-(...	21	L	NJ		Ethane,-tetrachloro-di	3.3	L	NJ	
Ethane, -tetrachloro-di	3.2	L	NJ		Alkane PEAK1 : Straight-Chain	18	L	NJ	

Station Location	FB				Station Location	OC2-MW13B-W-0-201			
Sample ID	OC2-MW15-W-2-200				Sample ID	OC2-MW13B-W-0-201			
Lab Sample ID	0603049-05				Lab Sample ID	0603049-06			
Date of Collection	15-Mar-06				Date of Collection	15-Mar-06			
Units	ug/L				Units	ug/L			
Analyte	Result	Q	Val	Com	Analyte	Result	Q	Val	Com
None					None				

Station Location	EB				Station Location	OC2-MW12-W-0-203			
Sample ID	OC2-MW13B-W-3-202				Sample ID	OC2-MW12-W-0-203			
Lab Sample ID	0603049-07				Lab Sample ID	0603049-08			
Date of Collection	15-Mar-06				Date of Collection	15-Mar-06			
Units	ug/L				Units	ug/L			
Analyte	Result	Q	Val	Com	Analyte	Result	Q	Val	Com
None					Unknown	1.4	L	NJ	
					Ethyl acetate	3.8		UJ	B

Station Location	Method				Station Location	Method			
Sample ID	Blank				Sample ID	Blank			
Lab Sample ID	B6C0114-BLK1				Lab Sample ID	B6C0116-BLK1			
Date of Collection	20-Mar-06				Date of Collection	17-Mar-06			
Units	ug/L				Units	ug/L			
Analyte	Result	Q	Val	Com	Analyte	Result	Q	Val	Com
None					None				

Station Location	Method				Station Location	Method			
Sample ID	Blank				Sample ID	Blank			
Lab Sample ID	B6C0130-BLK1				Lab Sample ID	B6C0148-BLK1			
Date of Collection	21-Mar-06				Date of Collection	22-Mar-06			
Units	ug/L				Units	ug/L			
Analyte	Result	Q	Val	Com	Analyte	Result	Q	Val	Com
None					None				

Station Location	Storage
Sample ID	Blank
Lab Sample ID	REFRIG. BLANK
Date of Collection	13-Mar-06
Units	ug/L

Analyte	Result	Q	Val	Com
Ethyne, fluoro-	1.3	L	NJ	

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Bl
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06069D
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: 1,4-Dioxane
Matrix: Water

Station Location	FD1				FD1				OC2-MW10-W-0-179				OC2-MW3-W-0-180			
Sample ID	OC2-MW11-W-0-176				OC2-MW11-W-1-177				OC2-MW10-W-0-179				OC2-MW3-W-0-180			
Lab Sample ID	0603035-02				0603035-03				0603035-05				0603035-06			
Date of Collection	9-Mar-06				9-Mar-06				9-Mar-06				9-Mar-06			
Units	ug/L				ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
1,4-Dioxane	1.0	U			1.0	U			2.3				0.6	L	J	A

Station Location	OC2-MW17B-W-0-181				OC2-MW17C-W-5-183				OC2-MW16A-W-0-184				OC2-MW16B-W-0-185			
Sample ID	OC2-MW17B-W-0-181				OC2-MW17C-W-5-183				OC2-MW16A-W-0-184				OC2-MW16B-W-0-185			
Lab Sample ID	0603041-01				0603041-03				0603041-04				0603041-05			
Date of Collection	13-Mar-06				13-Mar-06				13-Mar-06				13-Mar-06			
Units	ug/L				ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
1,4-Dioxane	4.4				1.0	U			4.2				1.0	U		

Station Location	OC2-MW16C-W-0-188				FD2				FD2				OC2-MW18B-W-0-192			
Sample ID	OC2-MW16C-W-0-188				OC2-MW18A-W-0-189				OC2-MW18A-W-1-190				OC2-MW18B-W-0-192			
Lab Sample ID	0603046-02				0603046-03				0603046-04				0603046-06			
Date of Collection	15-Mar-06				15-Mar-06				15-Mar-06				15-Mar-06			
Units	ug/L				ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
1,4-Dioxane	0.7	L	J	A	1.0	U			1.0	U			1.0	U		

Station Location	OC2-MW18C-W-0-193				OC2-MW23B-W-0-194				OC2-MW23C-W-0-195				Method Blank			
Sample ID	OC2-MW18C-W-0-193				OC2-MW23B-W-0-194				OC2-MW23C-W-0-195							
Lab Sample ID	0603046-07				0603046-08				0603046-09				B6C0086-BLK1			
Date of Collection	15-Mar-06				15-Mar-06				15-Mar-06							
Units	ug/L				ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
1,4-Dioxane	1.0	U			0.5	L	J	A	38				1.0	U		

Station Location	Method Blank				Method Blank				
Sample ID									
Lab Sample ID	B6C0104-BLK1				B6C0112-BLK1				QL
Date of Collection									
Units	ug/L				ug/L				ug/L
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result
1,4-Dioxane	1.0	U			1.0	U			1.0

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A

Case Number: R06S31
Site: Omega Chemical OU-2 March 2006 Sampling
SDG: 06075B
Lab: USEPA Region 9 Laboratory
Reviewer: Lisa Norosky, DataVal, Inc.
Date: 2-Oct-06

Analysis: 1,4-Dioxane
Matrix: Water

Station Location	OC2-MW23D-W-5-196				FD1				FD1				OC2-MW13B-W-0-201			
Sample ID	OC2-MW23D-W-5-196				OC2-MW15-W-0-198				OC2-MW15-W-1-199				OC2-MW13B-W-0-201			
Lab Sample ID	0603049-01				0603049-03				0603049-04				0603049-06			
Date of Collection	15-Mar-06				15-Mar-06				15-Mar-06				15-Mar-06			
Units	ug/L				ug/L				ug/L				ug/L			
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com
1,4-Dioxane	1.0	U			70				74				1.0	U		

Station Location	OC2-MW12-W-0-203				Method Blank				Method Blank				QL
Sample ID	OC2-MW12-W-0-203				B6C0128-BLK1				B6C0145-BLK1				
Lab Sample ID	0603049-08												
Date of Collection	15-Mar-06												
Units	ug/L				ug/L				ug/L				ug/L
Analyte	Result	Q	Val	Com	Result	Q	Val	Com	Result	Q	Val	Com	Result
1,4-Dioxane	1.0	U			1.0	U			1.0	U			1.0

Val-Validity Refer to Data Qualifiers in Table 1B.
Com-Comments Refer to the Corresponding Section in the Narrative for each letter.
N/A-Not Applicable, NA-Not Analyzed

FD1, FD2, etc.- Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Trip Blank
BG-Background Sample

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999.

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

L Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

DataVal, Inc.

TP 5/09/07 PC

MEMORANDUM

TO: Carl Brickner
Environmental Scientist
USEPA Region 9 Quality Assurance Office (PMD-3)

FROM: Donna Breaux DB 10/2/06
Senior Reviewer, DataVal, Inc.

DATE: October 2, 2006

SUBJECT: Review of Analytical Data

Attached are comments resulting from DataVal's review of the following analytical data:

SITE:	Omega Chemical OU-2 March 2006 Sampling
SITE ACCOUNT NO.:	09 BC LA 02
CERCLIS I.D. NO.:	CAD042245001
CASE NO.:	R06S31
SDG NO.:	06075B
LABORATORY:	Region 9 Laboratory, Richmond, CA
ANALYSES:	Perchlorate (314.0)
SAMPLE NO.:	5 Water Samples (See Case Summary)
COLLECTION DATES:	March 15, 2006
REVIEWERS:	Lisa Norosky/Agnieszka Jankowski, DataVal, Inc.

If there are any questions, please contact Donna Breaux at (415) 883-2780.

Attachment

TPO: [ ]FYI [ ]Attention [ ]Action

SAMPLING ISSUES: [ ] Yes [X] No

R06S31_GenChem_Rpt

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