Lot # DOG130230

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ANALYTICAL REPORT

Johnson Controls
Fowerville, MI

Lot # D0G130230

Mike Wagner

URS Dames & Moore

STL DENVER

Daniel J. Moore
Project Manager

July 29, 2000

Project Narrative
(D0G130230)

On July 12 and 13, 2000, the STL Denver laboratory received a total of thrity-four samples from URS Dames and Moore. This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data.

With the exception of the below mentioned anomalies, standard analytical protocols were followed in the analysis of the samples. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC/MS Volatiles, Method SW846 8260B

Samples D0G130230-001, 007 thru 013, 025, 026, 028 and 029 were analyzed diluted due to the concentration of target analytes present in the samples.

Samples D0G130230-008 thru 012 and 025 thru 034 were determined to have a pH>2 at the time of analysis.

The surrogates in sample 001 were diluted "out". Bromofluorobenzene was recovered greater than QC limits in both analyses of sample 028.

The associated trip blanks demonstrated levels of target analytes greater than the reporting limit. The analytes were acetone and methylene chloride. The associated LMB did not exhibit levels of these analytes similar to the trip blanks.

GC Semi-volatiles, Method SW 846 8082

Sample 016 demonstrated a recovery below QC limits for the surrogate, TCMX. The low recovery is due to matrix interference. The associated MS/MSD demonstrated similar recoveries for TCMX.

EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SO-TCE15-7.0-7.5 07/11/00 09:10 001				
Acetone	4200 J	11000	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	3200	1400	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	3200	2800	ug/kg	SW846 8260B
1,4-Dioxane	49000 J	280000	ug/kg	SW846 8260B
Methylene chloride	1100 J	2800	ug/kg	SW846 8260B
Trichloroethene	82000	2800	ug/kg	SW846 8260B
Percent Moisture	10.9	0.10	%	MCAWW 160.3 MOD
SO-TCE20-8.0-8.5 07/11/00 11:05 004				
2-Butanone (MEK)	610 J	1200	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	2400	150	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	85 J	150	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	2500	300	ug/kg	SW846 8260B
Methylene chloride	120 J	300	ug/kg	SW846 8260B
Trichloroethene	41 J	300	ug/kg	SW846 8260B
Percent Moisture	18.0	0.10	%	MCAWW 160.3 MOD
SO-TCE19-6.0-6.5 07/11/00 16:50 005				
2-Butanone (MEK)	750 J	1100	ug/kg	SW846 8260B
Methylene chloride	100 J	280	ug/kg	SW846 8260B
Percent Moisture	10.6	0.10	%	MCAWW 160.3 MOD
TRIPBLANK 07/11/00 006				
Methylene chloride	1.6	1.0	ug/L	SW846 8260B
GW-TCE14-17-18 07/11/00 11:40 007				
cis-1,2-Dichloroethene	53	20	ug/L	SW846 8260B
trans-1,2-Dichloroethene	9.7 J	10	ug/L	SW846 8260B
1,2-Dichloroethene (total)	62	20	ug/L	SW846 8260B
Trichloroethene	550	20	ug/L	SW846 8260B
GW-TCE15-7-8 07/11/00 11:55 008				
cis-1,2-Dichloroethene	1900	200	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1900	200	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-TCE15-7-8 07/11/00 11:55 008				
Trichloroethene	16000 E	200	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1900	400	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1900	400	ug/L	SW846 8260B
Trichloroethene	16000	400	ug/L	SW846 8260B
GW-TCE16-17-18 07/11/00 12:10 009				
cis-1,2-Dichloroethene	1200	200	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1200	200	ug/L	SW846 8260B
4-Methyl-2-pentanone	170 J	1000	ug/L	SW846 8260B
Trichloroethene	10000	200	ug/L	SW846 8260B
GW-TCE20-10-11 07/11/00 12:20 010				
cis-1,2-Dichloroethene	510	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	77	12	ug/L	SW846 8260B
1,2-Dichloroethene (total)	590	25	ug/L	SW846 8260B
Trichloroethene	1400	25	ug/L	SW846 8260B
GW-TCE24-8-9 07/11/00 17:30 011				
1,1-Dichloroethane	2.4 J	10	ug/L	SW846 8260B
1,1-Dichloroethene	2.8 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	380	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	46	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	430	10	ug/L	SW846 8260B
Trichloroethene	240	10	ug/L	SW846 8260B
GW-TCE200 07/11/00 012				
cis-1,2-Dichloroethene	470	20	ug/L	SW846 8260B
trans-1,2-Dichloroethene	66	10	ug/L	SW846 8260B
1,2-Dichloroethene (total)	540	20	ug/L	SW846 8260B
Trichloroethene	980	20	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SO-TCE25-6-6.5 07/12/00 08:10 013				
Acetone	460 J	1100	ug/kg	SW846 8260B
2-Butanone (MEK)	460 J	1100	ug/kg	SW846 8260B
Methylene chloride	110 J	280	ug/kg	SW846 8260B
Vinyl chloride	55 J	560	ug/kg	SW846 8260B
Isopropylbenzene	94 J	280	ug/kg	SW846 8260B
Percent Moisture	11.5	0.10	%	MCAWW 160.3 MOD
SO-TCE37-6-6.5 07/12/00 08:55 014				
2-Butanone (MEK)	490 J	1100	ug/kg	SW846 8260B
1,2-Dichlorobenzene	100 J	280	ug/kg	SW846 8260B
Methylene chloride	91 J	280	ug/kg	SW846 8260B
Percent Moisture	9.7	0.10	%	MCAWW 160.3 MOD
SO-TCE34-9-9.5 07/12/00 11:15 015				
2-Butanone (MEK)	480 J	1100	ug/kg	SW846 8260B
Methylene chloride	130 J	280	ug/kg	SW846 8260B
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD
SO-TCE34-7-8 07/12/00 11:30 016				
Aroclor 1248	290	37	ug/kg	SW846 8082
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD
SO-TCE38-9-9.5 07/12/00 14:30 018				
2-Butanone (MEK)	440 J	1100	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	230	140	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	230 J	280	ug/kg	SW846 8260B
1,4-Dioxane	3100 J	28000	ug/kg	SW846 8260B
Methylene chloride	110 J	280	ug/kg	SW846 8260B
Trichloroethene	1200	280	ug/kg	SW846 8260B
Percent Moisture	11.1	0.10	%	MCAWW 160.3 MOD
SO-TCE29-5-5.5 07/12/00 15:00 019				
2-Butanone (MEK)	480 J	1100	ug/kg	SW846 8260B
Methylene chloride	100 J	280	ug/kg	SW846 8260B
Percent Moisture	9.3	0.10	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SO-TCE33-5-5.5 07/12/00 15:40 020				
Methylene chloride	120 J	280	ug/kg	SW846 8260B
2-Butanone (MEK)	740 J	1100	ug/kg	SW846 8260B
Percent Moisture	9.6	0.10	%	MCAWW 160.3 MOD
SO-TCE33-7-8 07/12/00 15:50 021				
Aroclor 1248	14 J	37	ug/kg	SW846 8082
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD
SO-TCE39-5-6 07/12/00 16:30 022				
2-Butanone (MEK)	590 J	1100	ug/kg	SW846 8260B
1,4-Dioxane	3400 J	28000	ug/kg	SW846 8260B
Methylene chloride	120 J	280	ug/kg	SW846 8260B
Percent Moisture	10.3	0.10	%	MCAWW 160.3 MOD
SO-TCE39-10-11 07/12/00 16:45 024				
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD
GW-TCE17-12-13 07/11/00 18:06 025				
cis-1,2-Dichloroethene	48	2.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	25	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	73	2.0	ug/L	SW846 8260B
Trichloroethene	100	2.0	ug/L	SW846 8260B
Vinyl chloride	2.7	2.0	ug/L	SW846 8260B
GW-TCE21-10-11 07/11/00 18:20 026				
cis-1,2-Dichloroethene	440	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	62	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	510	10	ug/L	SW846 8260B
Trichloroethene	520	10	ug/L	SW846 8260B
GW-TCE19-10-11 07/11/00 18:30 027				
1,1-Dichloroethene	0.28 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	36	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	32	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	69	1.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-TCE19-10-11 07/11/00 18:30 027				
Trichloroethene	22	1.0	ug/L	SW846 8260B
Vinyl chloride	3.5	1.0	ug/L	SW846 8260B
GW-TCE25-8-10 07/12/00 11:50 028				
Acetone	47 J	100	ug/L	SW846 8260B
1,1-Dichloroethane	210	10	ug/L	SW846 8260B
1,1-Dichloroethene	34	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1000 E	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	28	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1100	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	92	10	ug/L	SW846 8260B
Trichloroethene	1000 E	10	ug/L	SW846 8260B
Vinyl chloride	200	10	ug/L	SW846 8260B
Xylenes (total)	14 J	20	ug/L	SW846 8260B
Isopropylbenzene	11	10	ug/L	SW846 8260B
1,1-Dichloroethane	210	25	ug/L	SW846 8260B
1,1-Dichloroethene	33	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1100	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	28	12	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1100	25	ug/L	SW846 8260B
2-Hexanone	450	120	ug/L	SW846 8260B
1,1,1-Trichloroethane	97	25	ug/L	SW846 8260B
Trichloroethene	1100	25	ug/L	SW846 8260B
Vinyl chloride	180	25	ug/L	SW846 8260B
Isopropylbenzene	12 J	25	ug/L	SW846 8260B
GW-TCE37-7-9 07/12/00 12:00 029				
1,1-Dichloroethane	250	200	ug/L	SW846 8260B
cis-1,2-Dichloroethene	8200	200	ug/L	SW846 8260B
trans-1,2-Dichloroethene	170	100	ug/L	SW846 8260B
1,2-Dichloroethene (total)	8300	200	ug/L	SW846 8260B
Vinyl chloride	1700	200	ug/L	SW846 8260B
GW-TCE39-10-11.5 07/12/00 12:20 030				
1,1-Dichloroethane	11	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.38 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	12	1.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-TCE39-10-11.5 07/12/00 12:20 030				
trans-1,2-Dichloroethene	1.0	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	13	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	3.4	1.0	ug/L	SW846 8260B
Trichloroethene	6.9	1.0	ug/L	SW846 8260B
Vinyl chloride	1.2	1.0	ug/L	SW846 8260B
GW-TCE34-10-12 07/12/00 12:40 031				
Benzene	0.23 J	1.0	ug/L	SW846 8260B
Chlorobenzene	0.72 J	1.0	ug/L	SW846 8260B
Chloroethane	1.5 J	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	12	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	1.2	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	9.3	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	1.4	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	11	1.0	ug/L	SW846 8260B
Ethylbenzene	1.4	1.0	ug/L	SW846 8260B
Hexane	0.86 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	9.2	1.0	ug/L	SW846 8260B
Trichloroethene	9.8	1.0	ug/L	SW846 8260B
Xylenes (total)	2.2	2.0	ug/L	SW846 8260B
Isopropylbenzene	1.2	1.0	ug/L	SW846 8260B
GW-TCE300 07/12/00 032				
1,1-Dichloroethane	4.8	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.24 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	5.8	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	1.0	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	6.8	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	1.7	1.0	ug/L	SW846 8260B
Trichloroethene	9.1	1.0	ug/L	SW846 8260B
GW-TCE400 07/12/00 033				
Chlorobenzene	0.45 J	1.0	ug/L	SW846 8260B
Chloroethane	0.60 J	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	5.3	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.55 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	12	1.0	ug/L	SW846 8260B

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EXECUTIVE SUMMARY - Detection Highlights

D0G130230

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GW-TCE400 07/12/00 033				
trans-1,2-Dichloroethene	1.5	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	14	1.0	ug/L	SW846 8260B
Ethylbenzene	0.48 J	1.0	ug/L	SW846 8260B
Hexane	0.32 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	3.3	1.0	ug/L	SW846 8260B
Trichloroethene	6.0	1.0	ug/L	SW846 8260B
Isopropylbenzene	0.38 J	1.0	ug/L	SW846 8260B
TRIPBLANK 07/12/00 034				
Acetone	39	10	ug/L	SW846 8260B
Methylene chloride	20	1.0	ug/L	SW846 8260B
Ethyl ether	1.0 J	2.0	ug/L	SW846 8260B

METHODS SUMMARY

D0G130230

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
PCBs by SW-846 8082	SW846 8082	SW846 3550
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D0G130230

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.3 MOD	Claire Likar	004382
SW846 8082	Michael Klasner	009124
SW846 8260B	Karen Kaiser	008909
SW846 8260B	Mike Armstrong	002544

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

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SAMPLE SUMMARY

D0G130230

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DG5LJ	001	SO-TCE15-7.0-7.5	07/11/00	09:10
DG5M1	004	SO-TCE20-8.0-8.5	07/11/00	11:05
DG5MF	005	SO-TCE19-6.0-6.5	07/11/00	16:50
DG5ML	006	TRIPBLANK	07/11/00	
DG5MT	007	GW-TCE14-17-18	07/11/00	11:40
DG5N5	008	GW-TCE15-7-8	07/11/00	11:55
DG5NH	009	GW-TCE16-17-18	07/11/00	12:10
DG5NL	010	GW-TCE20-10-11	07/11/00	12:20
DG5NP	011	GW-TCE24-8-9	07/11/00	17:30
DG5NT	012	GW-TCE200	07/11/00	
DG5PP	013	SO-TCE25-6-6.5	07/12/00	08:10
DG5Q4	014	SO-TCE37-6-6.5	07/12/00	08:55
DG5Q9	015	SO-TCE34-9-9.5	07/12/00	11:15
DG5QE	016	SO-TCE34-7-8	07/12/00	11:30
DG5QL	018	SO-TCE38-9-9.5	07/12/00	14:30
DG5QM	019	SO-TCE29-5-5.5	07/12/00	15:00
DG5QN	020	SO-TCE33-5-5.5	07/12/00	15:40
DG5QP	021	SO-TCE33-7-8	07/12/00	15:50
DG5QR	022	SO-TCE39-5-6	07/12/00	16:30
DG5QX	024	SO-TCE39-10-11	07/12/00	16:45
DG5R9	025	GW-TCE17-12-13	07/11/00	18:06
DG5V0	026	GW-TCE21-10-11	07/11/00	18:20
DG5V1	027	GW-TCE19-10-11	07/11/00	18:30
DG5VA	028	GW-TCE25-8-10	07/12/00	11:50
DG5VG	029	GW-TCE37-7-9	07/12/00	12:00
DG5VH	030	GW-TCE39-10-11.5	07/12/00	12:20
DG5VM	031	GW-TCE34-10-12	07/12/00	12:40
DG5VN	032	GW-TCE300	07/12/00	
DG5VQ	033	GW-TCE400	07/12/00	
DG5VR	034	TRIPBLANK	07/12/00	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

DAMES & MOORE

Client Sample ID: SO-TCE15-7.0-7.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-001 **Work Order #...:** DG5LJ102 **Matrix.....:** SOLID
Date Sampled...: 07/11/00 09:10 **Date Received..:** 07/12/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 16:32
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4200 J**	**11000**	**ug/kg**	**2800**
Acrolein	ND	56000	ug/kg	2400
Acrylonitrile	ND	56000	ug/kg	4100
Benzene	ND	2800	ug/kg	260
Bromodichloromethane	ND	2800	ug/kg	220
Bromoform	ND	2800	ug/kg	470
Bromomethane	ND	5600	ug/kg	480
2-Butanone (MEK)	ND	11000	ug/kg	3400
Carbon disulfide	ND	2800	ug/kg	230
Carbon tetrachloride	ND	2800	ug/kg	270
Chlorobenzene	ND	2800	ug/kg	390
Chloroethane	ND	5600	ug/kg	240
Chloroform	ND	2800	ug/kg	220
Chloromethane	ND	5600	ug/kg	450
Dibromochloromethane	ND	2800	ug/kg	370
Dibromomethane	ND	2800	ug/kg	570
1,2-Dibromoethane (EDB)	ND	2800	ug/kg	430
1,2-Dichlorobenzene	ND	2800	ug/kg	220
1,3-Dichlorobenzene	ND	2800	ug/kg	230
1,4-Dichlorobenzene	ND	2800	ug/kg	270
Dichlorodifluoromethane	ND	5600	ug/kg	430
1,1-Dichloroethane	ND	2800	ug/kg	280
1,2-Dichloroethane	ND	2800	ug/kg	230
1,1-Dichloroethene	ND	2800	ug/kg	230
cis-1,2-Dichloroethene	**3200**	**1400**	**ug/kg**	**370**
trans-1,2-Dichloroethene	ND	1400	ug/kg	220
1,2-Dichloroethene (total)	**3200**	**2800**	**ug/kg**	**620**
1,2-Dichloropropane	ND	2800	ug/kg	260
cis-1,3-Dichloropropene	ND	2800	ug/kg	350
trans-1,3-Dichloropropene	ND	2800	ug/kg	460
trans-1,4-Dichloro-2-butene	ND	2800	ug/kg	1100
1,4-Dioxane	**49000 J**	**280000**	**ug/kg**	**14000**
Ethanol	ND	280000	ug/kg	69000
Ethylbenzene	ND	2800	ug/kg	470
Ethyl methacrylate	ND	2800	ug/kg	320
Hexane	ND	2800	ug/kg	340

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DAMES & MOORE

Client Sample ID: SO-TCE15-7.0-7.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-001 **Work Order #...:** DG5LJ102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	11000	ug/kg	1400
Iodomethane	ND	2800	ug/kg	270
Methylene chloride	**1100 J**	**2800**	**ug/kg**	**490**
4-Methyl-2-pentanone	ND	11000	ug/kg	780
Methyl tert-butyl ether	ND	2800	ug/kg	330
Styrene	ND	2800	ug/kg	420
1,1,2,2-Tetrachloroethane	ND	2800	ug/kg	520
tert-Butyl alcohol	ND	110000	ug/kg	6200
Tetrachloroethene	ND	2800	ug/kg	480
Tetrahydrofuran	ND	11000	ug/kg	760
Toluene	ND	2800	ug/kg	400
1,1,1-Trichloroethane	ND	2800	ug/kg	220
1,1,2-Trichloroethane	ND	2800	ug/kg	600
Trichloroethene	**82000**	**2800**	**ug/kg**	**290**
Trichlorofluoromethane	ND	5600	ug/kg	580
1,2,3-Trichloropropane	ND	2800	ug/kg	1100
Trichlorotrifluoroethane	ND	11000	ug/kg	340
Vinyl acetate	ND	5600	ug/kg	510
Vinyl chloride	ND	5600	ug/kg	330
Xylenes (total)	ND	2800	ug/kg	790
Dichlorofluoromethane	ND	5600	ug/kg	220
Ethyl ether	ND	5600	ug/kg	230
Acetonitrile	ND	56000	ug/kg	8700
Chloroprene	ND	2800	ug/kg	310
Isopropyl ether	ND	28000	ug/kg	1100
Propionitrile	ND	11000	ug/kg	3200
Ethyl acetate	ND	5600	ug/kg	1600
Methacrylonitrile	ND	28000	ug/kg	700
Isobutyl alcohol	ND	110000	ug/kg	32000
Methyl methacrylate	ND	2800	ug/kg	700
n-Butanol	ND	110000	ug/kg	23000
2-Nitropropane	ND	5600	ug/kg	1100
1,1,1,2-Tetrachloroethane	ND	2800	ug/kg	360
Cyclohexanone	ND	140000	ug/kg	26000
Isopropylbenzene	ND	2800	ug/kg	420
1,2-Dibromo-3-chloropropane (DBCP)	ND	5600	ug/kg	350

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	DIL,NC	(69 - 121)
1,2-Dichloroethane-d4	DIL,NC	(60 - 117)
4-Bromofluorobenzene	DIL,NC	(48 - 129)
Toluene-d8	DIL,NC	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE15-7.0-7.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-001 Work Order #...: DG5LJ102 Matrix.....: SOLID

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

NC The recovery and/or RPD were not calculated.

J Estimated result. Result is less than RL.

Results and reporting limits have been adjusted for dry weight.

DAMES & MOORE

Client Sample ID: SO-TCE20-8.0-8.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-004 **Work Order #...:** DG5M1102 **Matrix.....:** SOLID
Date Sampled...: 07/11/00 11:05 **Date Received..:** 07/12/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/20/00
Prep Batch #...: 0206476 **Analysis Time..:** 20:16
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1200	ug/kg	310
Acrolein	ND	6100	ug/kg	260
Acrylonitrile	ND	6100	ug/kg	440
Benzene	ND	300	ug/kg	29
Bromodichloromethane	ND	300	ug/kg	24
Bromoform	ND	300	ug/kg	51
Bromomethane	ND	610	ug/kg	53
2-Butanone (MEK)	**610 J**	**1200**	**ug/kg**	**370**
Carbon disulfide	ND	300	ug/kg	25
Carbon tetrachloride	ND	300	ug/kg	29
Chlorobenzene	ND	300	ug/kg	43
Chloroethane	ND	610	ug/kg	27
Chloroform	ND	300	ug/kg	24
Chloromethane	ND	610	ug/kg	48
Dibromochloromethane	ND	300	ug/kg	40
Dibromomethane	ND	300	ug/kg	62
1,2-Dibromoethane (EDB)	ND	300	ug/kg	47
1,2-Dichlorobenzene	ND	300	ug/kg	24
1,3-Dichlorobenzene	ND	300	ug/kg	25
1,4-Dichlorobenzene	ND	300	ug/kg	29
Dichlorodifluoromethane	ND	610	ug/kg	47
1,1-Dichloroethane	ND	300	ug/kg	31
1,2-Dichloroethane	ND	300	ug/kg	25
1,1-Dichloroethene	ND	300	ug/kg	25
cis-1,2-Dichloroethene	**2400**	**150**	**ug/kg**	**40**
trans-1,2-Dichloroethene	**85 J**	**150**	**ug/kg**	**24**
1,2-Dichloroethene (total)	**2500**	**300**	**ug/kg**	**67**
1,2-Dichloropropane	ND	300	ug/kg	28
cis-1,3-Dichloropropene	ND	300	ug/kg	38
trans-1,3-Dichloropropene	ND	300	ug/kg	50
trans-1,4-Dichloro-2-butene	ND	300	ug/kg	120
1,4-Dioxane	ND	30000	ug/kg	1500
Ethanol	ND	30000	ug/kg	7500
Ethylbenzene	ND	300	ug/kg	51
Ethyl methacrylate	ND	300	ug/kg	35
Hexane	ND	300	ug/kg	36

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DAMES & MOORE

Client Sample ID: SO-TCE20-8.0-8.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-004 **Work Order #...:** DG5M1102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1200	ug/kg	150
Iodomethane	ND	300	ug/kg	29
Methylene chloride	**120 J**	**300**	**ug/kg**	**54**
4-Methyl-2-pentanone	ND	1200	ug/kg	85
Methyl tert-butyl ether	ND	300	ug/kg	36
Styrene	ND	300	ug/kg	45
1,1,2,2-Tetrachloroethane	ND	300	ug/kg	56
tert-Butyl alcohol	ND	12000	ug/kg	680
Tetrachloroethene	ND	300	ug/kg	52
Tetrahydrofuran	ND	1200	ug/kg	82
Toluene	ND	300	ug/kg	43
1,1,1-Trichloroethane	ND	300	ug/kg	24
1,1,2-Trichloroethane	ND	300	ug/kg	66
Trichloroethene	**41 J**	**300**	**ug/kg**	**31**
Trichlorofluoromethane	ND	610	ug/kg	63
1,2,3-Trichloropropane	ND	300	ug/kg	120
Trichlorotrifluoroethane	ND	1200	ug/kg	37
Vinyl acetate	ND	610	ug/kg	55
Vinyl chloride	ND	610	ug/kg	36
Xylenes (total)	ND	300	ug/kg	85
Dichlorofluoromethane	ND	610	ug/kg	24
Ethyl ether	ND	610	ug/kg	25
Acetonitrile	ND	6100	ug/kg	940
Chloroprene	ND	300	ug/kg	33
Isopropyl ether	ND	3000	ug/kg	120
Propionitrile	ND	1200	ug/kg	350
Ethyl acetate	ND	610	ug/kg	170
Methacrylonitrile	ND	3000	ug/kg	77
Isobutyl alcohol	ND	12000	ug/kg	3500
Methyl methacrylate	ND	300	ug/kg	77
n-Butanol	ND	12000	ug/kg	2500
2-Nitropropane	ND	610	ug/kg	120
1,1,1,2-Tetrachloroethane	ND	300	ug/kg	39
Cyclohexanone	ND	15000	ug/kg	2900
Isopropylbenzene	ND	300	ug/kg	46
1,2-Dibromo-3-chloropropane (DBCP)	ND	610	ug/kg	39

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	84	(69 - 121)
1,2-Dichloroethane-d4	78	(60 - 117)
4-Bromofluorobenzene	81	(48 - 129)
Toluene-d8	78	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE20-8.0-8.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-004 Work Order #...: DG5M1102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE19-6.0-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-005 **Work Order #...:** DG5MF102 **Matrix.....:** SOLID
Date Sampled...: 07/11/00 16:50 **Date Received..:** 07/12/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/20/00
Prep Batch #...: 0206476 **Analysis Time..:** 20:39
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5600	ug/kg	240
Acrylonitrile	ND	5600	ug/kg	400
Benzene	ND	280	ug/kg	26
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	47
Bromomethane	ND	560	ug/kg	48
2-Butanone (MEK)	**750 J**	**1100**	**ug/kg**	**340**
Carbon disulfide	ND	280	ug/kg	23
Carbon tetrachloride	ND	280	ug/kg	27
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	560	ug/kg	24
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	560	ug/kg	44
Dibromochloromethane	ND	280	ug/kg	36
Dibromomethane	ND	280	ug/kg	57
1,2-Dibromoethane (EDB)	ND	280	ug/kg	43
1,2-Dichlorobenzene	ND	280	ug/kg	22
1,3-Dichlorobenzene	ND	280	ug/kg	22
1,4-Dichlorobenzene	ND	280	ug/kg	27
Dichlorodifluoromethane	ND	560	ug/kg	43
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	37
trans-1,2-Dichloroethene	ND	140	ug/kg	22
1,2-Dichloroethene (total)	ND	280	ug/kg	62
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	46
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	ND	28000	ug/kg	1400
Ethanol	ND	28000	ug/kg	6900
Ethylbenzene	ND	280	ug/kg	47
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	33

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DAMES & MOORE

Client Sample ID: SO-TCE19-6.0-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-005 **Work Order #...:** DG5MF102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	27
Methylene chloride	**100 J**	**280**	**ug/kg**	**49**
4-Methyl-2-pentanone	ND	1100	ug/kg	78
Methyl tert-butyl ether	ND	280	ug/kg	33
Styrene	ND	280	ug/kg	41
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	51
tert-Butyl alcohol	ND	11000	ug/kg	620
Tetrachloroethene	ND	280	ug/kg	47
Tetrahydrofuran	ND	1100	ug/kg	75
Toluene	ND	280	ug/kg	40
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	60
Trichloroethene	ND	280	ug/kg	29
Trichlorofluoromethane	ND	560	ug/kg	58
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	34
Vinyl acetate	ND	560	ug/kg	51
Vinyl chloride	ND	560	ug/kg	33
Xylenes (total)	ND	280	ug/kg	78
Dichlorofluoromethane	ND	560	ug/kg	22
Ethyl ether	ND	560	ug/kg	23
Acetonitrile	ND	5600	ug/kg	870
Chloroprene	ND	280	ug/kg	31
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	320
Ethyl acetate	ND	560	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	70
Isobutyl alcohol	ND	11000	ug/kg	3200
Methyl methacrylate	ND	280	ug/kg	70
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	560	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	42
1,2-Dibromo-3-chloropropane (DBCP)	ND	560	ug/kg	35

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	87	(69 - 121)
1,2-Dichloroethane-d4	80	(60 - 117)
4-Bromofluorobenzene	84	(48 - 129)
Toluene-d8	81	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE19-6.0-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-005 Work Order #...: DG5MF102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: TRIPBLANK

GC/MS Volatiles

Lot-Sample #...: D0G130230-006 **Work Order #...:** DG5ML101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 17:26
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	ND	10	ug/L	1.9
Benzene	ND	1.0	ug/L	0.21
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.25
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.17
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.26
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.27
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.53
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	ND	1.0	ug/L	0.28
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: TRIPBLANK

GC/MS Volatiles

Lot-Sample #...: D0G130230-006 **Work Order #...:** DG5ML101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	1.0	ug/L	0.25
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	**1.6**	**1.0**	**ug/L**	**0.89**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	ND	1.0	ug/L	0.26
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	ND	1.0	ug/L	0.95
Xylenes (total)	ND	2.0	ug/L	0.95
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	ND	2.0	ug/L	0.24
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	ND	1.0	ug/L	0.31
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	100	(80 - 120)
Toluene-d8	110	(82 - 122)

DAMES & MOORE

Client Sample ID: GW-TCE14-17-18

GC/MS Volatiles

Lot-Sample #...: D0G130230-007 **Work Order #...:** DG5MT101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 11:40 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 17:50
Dilution Factor: 20

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	400	ug/L	94
Acrylonitrile	ND	400	ug/L	48
Acetone	ND	200	ug/L	38
Benzene	ND	20	ug/L	4.2
Bromodichloromethane	ND	20	ug/L	4.4
Bromoform	ND	20	ug/L	6.4
Bromomethane	ND	40	ug/L	6.0
2-Butanone (MEK)	ND	100	ug/L	19
Carbon disulfide	ND	20	ug/L	3.8
Carbon tetrachloride	ND	20	ug/L	3.8
Chlorobenzene	ND	20	ug/L	6.0
Chloroethane	ND	40	ug/L	5.0
2-Chloroethyl vinyl ether	ND	40	ug/L	2.6
Chloroform	ND	20	ug/L	4.6
Chloromethane	ND	40	ug/L	6.0
Dibromochloromethane	ND	20	ug/L	7.6
Dibromomethane	ND	20	ug/L	8.8
1,2-Dibromoethane (EDB)	ND	20	ug/L	7.2
1,2-Dichlorobenzene	ND	20	ug/L	4.8
1,3-Dichlorobenzene	ND	20	ug/L	5.2
1,4-Dichlorobenzene	ND	20	ug/L	4.8
Dichlorodifluoromethane	ND	40	ug/L	4.6
1,1-Dichloroethane	ND	20	ug/L	3.4
1,2-Dichloroethane	ND	20	ug/L	5.6
1,1-Dichloroethene	ND	20	ug/L	4.0
cis-1,2-Dichloroethene	**53**	**20**	**ug/L**	**5.2**
trans-1,2-Dichloroethene	**9.7 J**	**10**	**ug/L**	**5.4**
1,2-Dichloroethene (total)	**62**	**20**	**ug/L**	**11**
1,2-Dichloropropane	ND	20	ug/L	4.2
cis-1,3-Dichloropropene	ND	20	ug/L	5.6
trans-1,3-Dichloropropene	ND	20	ug/L	8.4
trans-1,4-Dichloro-2-butene	ND	20	ug/L	12
1,4-Dioxane	ND	4000	ug/L	330
Ethanol	ND	4000	ug/L	1400
Ethylbenzene	ND	20	ug/L	5.6
Ethyl methacrylate	ND	20	ug/L	5.0

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DAMES & MOORE

Client Sample ID: GW-TCE14-17-18

GC/MS Volatiles

Lot-Sample #...: D0G130230-007 **Work Order #...:** DG5MT101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	20	ug/L	5.0
2-Hexanone	ND	100	ug/L	14
Iodomethane	ND	20	ug/L	4.6
Methylene chloride	ND	20	ug/L	18
4-Methyl-2-pentanone	ND	100	ug/L	16
Methyl tert-butyl ether	ND	100	ug/L	4.2
Styrene	ND	20	ug/L	5.4
1,1,2,2-Tetrachloroethane	ND	20	ug/L	6.2
tert-Butyl alcohol	ND	1000	ug/L	130
Tetrachloroethene	ND	20	ug/L	7.2
Tetrahydrofuran	ND	100	ug/L	6.4
Toluene	ND	20	ug/L	5.8
1,1,1-Trichloroethane	ND	20	ug/L	5.2
1,1,2-Trichloroethane	ND	20	ug/L	7.8
Trichloroethene	**550**	**20**	**ug/L**	**4.4**
Trichlorofluoromethane	ND	40	ug/L	5.6
1,2,3-Trichloropropane	ND	20	ug/L	5.8
Trichlorotrifluoroethane	ND	20	ug/L	4.2
Vinyl acetate	ND	40	ug/L	6.2
Vinyl chloride	ND	20	ug/L	19
Xylenes (total)	ND	40	ug/L	19
Dichlorofluoromethane	ND	40	ug/L	2.4
Ethyl ether	ND	40	ug/L	4.8
Acetonitrile	ND	400	ug/L	52
Chloroprene	ND	20	ug/L	4.4
Isopropyl ether	ND	200	ug/L	18
Propionitrile	ND	100	ug/L	44
Ethyl acetate	ND	100	ug/L	5.0
Methacrylonitrile	ND	200	ug/L	32
Isobutyl alcohol	ND	1000	ug/L	220
Methyl methacrylate	ND	20	ug/L	6.0
n-Butanol	ND	1000	ug/L	150
2-Nitropropane	ND	40	ug/L	10
1,1,1,2-Tetrachloroethane	ND	20	ug/L	4.4
Cyclohexanone	ND	400	ug/L	230
Isopropylbenzene	ND	20	ug/L	6.2
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	ug/L	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	102	(80 - 120)
Toluene-d8	112	(82 - 122)

(Continued on next page)

DAMES & MOORE

Client Sample ID: GW-TCE14-17-18

GC/MS Volatiles

Lot-Sample #...: D0G130230-007 Work Order #...: DG5MT101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE15-7-8

GC/MS Volatiles

Lot-Sample #...: D0G130230-008 **Work Order #...:** DG5N5101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 11:55 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 18:14
Dilution Factor: 200

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	4000	ug/L	940
Acrylonitrile	ND	4000	ug/L	480
Acetone	ND	2000	ug/L	380
Benzene	ND	200	ug/L	42
Bromodichloromethane	ND	200	ug/L	44
Bromoform	ND	200	ug/L	64
Bromomethane	ND	400	ug/L	60
2-Butanone (MEK)	ND	1000	ug/L	190
Carbon disulfide	ND	200	ug/L	38
Carbon tetrachloride	ND	200	ug/L	38
Chlorobenzene	ND	200	ug/L	60
Chloroethane	ND	400	ug/L	50
2-Chloroethyl vinyl ether	ND	400	ug/L	26
Chloroform	ND	200	ug/L	46
Chloromethane	ND	400	ug/L	60
Dibromochloromethane	ND	200	ug/L	76
Dibromomethane	ND	200	ug/L	88
1,2-Dibromoethane (EDB)	ND	200	ug/L	72
1,2-Dichlorobenzene	ND	200	ug/L	48
1,3-Dichlorobenzene	ND	200	ug/L	52
1,4-Dichlorobenzene	ND	200	ug/L	48
Dichlorodifluoromethane	ND	400	ug/L	46
1,1-Dichloroethane	ND	200	ug/L	34
1,2-Dichloroethane	ND	200	ug/L	56
1,1-Dichloroethene	ND	200	ug/L	40
cis-1,2-Dichloroethene	**1900**	**200**	**ug/L**	**52**
trans-1,2-Dichloroethene	ND	100	ug/L	54
1,2-Dichloroethene (total)	**1900**	**200**	**ug/L**	**110**
1,2-Dichloropropane	ND	200	ug/L	42
cis-1,3-Dichloropropene	ND	200	ug/L	56
trans-1,3-Dichloropropene	ND	200	ug/L	84
trans-1,4-Dichloro-2-butene	ND	200	ug/L	120
1,4-Dioxane	ND	40000	ug/L	3300
Ethanol	ND	40000	ug/L	14000
Ethylbenzene	ND	200	ug/L	56
Ethyl methacrylate	ND	200	ug/L	50

(Continued on next page)

DAMES & MOORE

Client Sample ID: GW-TCE15-7-8

GC/MS Volatiles

Lot-Sample #...: D0G130230-008 **Work Order #...:** DG5N5101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	200	ug/L	50
2-Hexanone	ND	1000	ug/L	140
Iodomethane	ND	200	ug/L	46
Methylene chloride	ND	200	ug/L	180
4-Methyl-2-pentanone	ND	1000	ug/L	160
Methyl tert-butyl ether	ND	1000	ug/L	42
Styrene	ND	200	ug/L	54
1,1,2,2-Tetrachloroethane	ND	200	ug/L	62
tert-Butyl alcohol	ND	10000	ug/L	1300
Tetrachloroethene	ND	200	ug/L	72
Tetrahydrofuran	ND	1000	ug/L	64
Toluene	ND	200	ug/L	58
1,1,1-Trichloroethane	ND	200	ug/L	52
1,1,2-Trichloroethane	ND	200	ug/L	78
Trichloroethene	**16000 E**	**200**	**ug/L**	**44**
Trichlorofluoromethane	ND	400	ug/L	56
1,2,3-Trichloropropane	ND	200	ug/L	58
Trichlorotrifluoroethane	ND	200	ug/L	42
Vinyl acetate	ND	400	ug/L	62
Vinyl chloride	ND	200	ug/L	190
Xylenes (total)	ND	400	ug/L	190
Dichlorofluoromethane	ND	400	ug/L	24
Ethyl ether	ND	400	ug/L	48
Acetonitrile	ND	4000	ug/L	520
Chloroprene	ND	200	ug/L	44
Isopropyl ether	ND	2000	ug/L	180
Propionitrile	ND	1000	ug/L	440
Ethyl acetate	ND	1000	ug/L	50
Methacrylonitrile	ND	2000	ug/L	320
Isobutyl alcohol	ND	10000	ug/L	2200
Methyl methacrylate	ND	200	ug/L	60
n-Butanol	ND	10000	ug/L	1500
2-Nitropropane	ND	400	ug/L	100
1,1,1,2-Tetrachloroethane	ND	200	ug/L	44
Cyclohexanone	ND	4000	ug/L	2300
Isopropylbenzene	ND	200	ug/L	62
1,2-Dibromo-3-chloropropane (DBCP)	ND	400	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	99	(80 - 120)
Toluene-d8	111	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE15-7-8

GC/MS Volatiles

Lot-Sample #...: D0G130230-008 Work Order #...: DG5N5101 Matrix.....: WATER

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

DAMES & MOORE

Client Sample ID: GW-TCE15-7-8

GC/MS Volatiles

Lot-Sample #...: D0G130230-008 **Work Order #...:** DG5N5201 **Matrix.....:** WATER
Date Sampled...: 07/11/00 11:55 **Date Received..:** 07/12/00
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 17:40
Dilution Factor: 400

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	8000	ug/L	1900
Acrylonitrile	ND	8000	ug/L	960
Acetone	ND	4000	ug/L	750
Benzene	ND	400	ug/L	84
Bromodichloromethane	ND	400	ug/L	88
Bromoform	ND	400	ug/L	130
Bromomethane	ND	800	ug/L	120
2-Butanone (MEK)	ND	2000	ug/L	370
Carbon disulfide	ND	400	ug/L	76
Carbon tetrachloride	ND	400	ug/L	76
Chlorobenzene	ND	400	ug/L	120
Chloroethane	ND	800	ug/L	100
2-Chloroethyl vinyl ether	ND	800	ug/L	52
Chloroform	ND	400	ug/L	92
Chloromethane	ND	800	ug/L	120
Dibromochloromethane	ND	400	ug/L	150
Dibromomethane	ND	400	ug/L	180
1,2-Dibromoethane (EDB)	ND	400	ug/L	140
1,2-Dichlorobenzene	ND	400	ug/L	96
1,3-Dichlorobenzene	ND	400	ug/L	100
1,4-Dichlorobenzene	ND	400	ug/L	96
Dichlorodifluoromethane	ND	800	ug/L	92
1,1-Dichloroethane	ND	400	ug/L	68
1,2-Dichloroethane	ND	400	ug/L	110
1,1-Dichloroethene	ND	400	ug/L	80
cis-1,2-Dichloroethene	**1900**	**400**	**ug/L**	**100**
trans-1,2-Dichloroethene	ND	200	ug/L	110
1,2-Dichloroethene (total)	**1900**	**400**	**ug/L**	**210**
1,2-Dichloropropane	ND	400	ug/L	84
cis-1,3-Dichloropropene	ND	400	ug/L	110
trans-1,3-Dichloropropene	ND	400	ug/L	170
trans-1,4-Dichloro-2-butene	ND	400	ug/L	240
1,4-Dioxane	ND	80000	ug/L	6700
Ethanol	ND	80000	ug/L	29000
Ethylbenzene	ND	400	ug/L	110
Ethyl methacrylate	ND	400	ug/L	100

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DAMES & MOORE

Client Sample ID: GW-TCE15-7-8

GC/MS Volatiles

Lot-Sample #...: D0G130230-008 **Work Order #...:** DG5N5201 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	400	ug/L	100
2-Hexanone	ND	2000	ug/L	280
Iodomethane	ND	400	ug/L	92
Methylene chloride	ND	400	ug/L	360
4-Methyl-2-pentanone	ND	2000	ug/L	320
Methyl tert-butyl ether	ND	2000	ug/L	84
Styrene	ND	400	ug/L	110
1,1,2,2-Tetrachloroethane	ND	400	ug/L	120
tert-Butyl alcohol	ND	20000	ug/L	2500
Tetrachloroethene	ND	400	ug/L	140
Tetrahydrofuran	ND	2000	ug/L	130
Toluene	ND	400	ug/L	120
1,1,1-Trichloroethane	ND	400	ug/L	100
1,1,2-Trichloroethane	ND	400	ug/L	160
Trichloroethene	**16000**	**400**	**ug/L**	**88**
Trichlorofluoromethane	ND	800	ug/L	110
1,2,3-Trichloropropane	ND	400	ug/L	120
Trichlorotrifluoroethane	ND	400	ug/L	84
Vinyl acetate	ND	800	ug/L	120
Vinyl chloride	ND	400	ug/L	380
Xylenes (total)	ND	800	ug/L	380
Dichlorofluoromethane	ND	800	ug/L	48
Ethyl ether	ND	800	ug/L	96
Acetonitrile	ND	8000	ug/L	1000
Chloroprene	ND	400	ug/L	88
Isopropyl ether	ND	4000	ug/L	360
Propionitrile	ND	2000	ug/L	890
Ethyl acetate	ND	2000	ug/L	100
Methacrylonitrile	ND	4000	ug/L	640
Isobutyl alcohol	ND	20000	ug/L	4400
Methyl methacrylate	ND	400	ug/L	120
n-Butanol	ND	20000	ug/L	3100
2-Nitropropane	ND	800	ug/L	200
1,1,1,2-Tetrachloroethane	ND	400	ug/L	88
Cyclohexanone	ND	8000	ug/L	4700
Isopropylbenzene	ND	400	ug/L	120
1,2-Dibromo-3-chloropropane (DBCP)	ND	800	ug/L	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	94	(80 - 120)
Toluene-d8	109	(82 - 122)

DAMES & MOORE

Client Sample ID: GW-TCE16-17-18

GC/MS Volatiles

Lot-Sample #...: D0G130230-009 **Work Order #...:** DG5NH101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 12:10 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 19:26
Dilution Factor: 200

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	4000	ug/L	940
Acrylonitrile	ND	4000	ug/L	480
Acetone	ND	2000	ug/L	380
Benzene	ND	200	ug/L	42
Bromodichloromethane	ND	200	ug/L	44
Bromoform	ND	200	ug/L	64
Bromomethane	ND	400	ug/L	60
2-Butanone (MEK)	ND	1000	ug/L	190
Carbon disulfide	ND	200	ug/L	38
Carbon tetrachloride	ND	200	ug/L	38
Chlorobenzene	ND	200	ug/L	60
Chloroethane	ND	400	ug/L	50
2-Chloroethyl vinyl ether	ND	400	ug/L	26
Chloroform	ND	200	ug/L	46
Chloromethane	ND	400	ug/L	60
Dibromochloromethane	ND	200	ug/L	76
Dibromomethane	ND	200	ug/L	88
1,2-Dibromoethane (EDB)	ND	200	ug/L	72
1,2-Dichlorobenzene	ND	200	ug/L	48
1,3-Dichlorobenzene	ND	200	ug/L	52
1,4-Dichlorobenzene	ND	200	ug/L	48
Dichlorodifluoromethane	ND	400	ug/L	46
1,1-Dichloroethane	ND	200	ug/L	34
1,2-Dichloroethane	ND	200	ug/L	56
1,1-Dichloroethene	ND	200	ug/L	40
cis-1,2-Dichloroethene	**1200**	**200**	**ug/L**	**52**
trans-1,2-Dichloroethene	ND	100	ug/L	54
1,2-Dichloroethene (total)	**1200**	**200**	**ug/L**	**110**
1,2-Dichloropropane	ND	200	ug/L	42
cis-1,3-Dichloropropene	ND	200	ug/L	56
trans-1,3-Dichloropropene	ND	200	ug/L	84
trans-1,4-Dichloro-2-butene	ND	200	ug/L	120
1,4-Dioxane	ND	40000	ug/L	3300
Ethanol	ND	40000	ug/L	14000
Ethylbenzene	ND	200	ug/L	56
Ethyl methacrylate	ND	200	ug/L	50

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DAMES & MOORE

Client Sample ID: GW-TCE16-17-18

GC/MS Volatiles

Lot-Sample #...: D0G130230-009 **Work Order #...:** DG5NH101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	200	ug/L	50
2-Hexanone	ND	1000	ug/L	140
Iodomethane	ND	200	ug/L	46
Methylene chloride	ND	200	ug/L	180
4-Methyl-2-pentanone	**170 J**	**1000**	**ug/L**	**160**
Methyl tert-butyl ether	ND	1000	ug/L	42
Styrene	ND	200	ug/L	54
1,1,2,2-Tetrachloroethane	ND	200	ug/L	62
tert-Butyl alcohol	ND	10000	ug/L	1300
Tetrachloroethene	ND	200	ug/L	72
Tetrahydrofuran	ND	1000	ug/L	64
Toluene	ND	200	ug/L	58
1,1,1-Trichloroethane	ND	200	ug/L	52
1,1,2-Trichloroethane	ND	200	ug/L	78
Trichloroethene	**10000**	**200**	**ug/L**	**44**
Trichlorofluoromethane	ND	400	ug/L	56
1,2,3-Trichloropropane	ND	200	ug/L	58
Trichlorotrifluoroethane	ND	200	ug/L	42
Vinyl acetate	ND	400	ug/L	62
Vinyl chloride	ND	200	ug/L	190
Xylenes (total)	ND	400	ug/L	190
Dichlorofluoromethane	ND	400	ug/L	24
Ethyl ether	ND	400	ug/L	48
Acetonitrile	ND	4000	ug/L	520
Chloroprene	ND	200	ug/L	44
Isopropyl ether	ND	2000	ug/L	180
Propionitrile	ND	1000	ug/L	440
Ethyl acetate	ND	1000	ug/L	50
Methacrylonitrile	ND	2000	ug/L	320
Isobutyl alcohol	ND	10000	ug/L	2200
Methyl methacrylate	ND	200	ug/L	60
n-Butanol	ND	10000	ug/L	1500
2-Nitropropane	ND	400	ug/L	100
1,1,1,2-Tetrachloroethane	ND	200	ug/L	44
Cyclohexanone	ND	4000	ug/L	2300
Isopropylbenzene	ND	200	ug/L	62
1,2-Dibromo-3-chloropropane (DBCP)	ND	400	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
1,2-Dichloroethane-d4	101	(78 - 123)
4-Bromofluorobenzene	100	(80 - 120)
Toluene-d8	111	(82 - 122)

(Continued on next page)

DAMES & MOORE

Client Sample ID: GW-TCE16-17-18

GC/MS Volatiles

Lot-Sample #...: D0G130230-009 Work Order #...: DG5NH101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE20-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-010 **Work Order #...:** DG5NL101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 12:20 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 19:51
Dilution Factor: 25
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	500	ug/L	120
Acrylonitrile	ND	500	ug/L	60
Acetone	ND	250	ug/L	47
Benzene	ND	25	ug/L	5.2
Bromodichloromethane	ND	25	ug/L	5.5
Bromoform	ND	25	ug/L	8.0
Bromomethane	ND	50	ug/L	7.5
2-Butanone (MEK)	ND	120	ug/L	23
Carbon disulfide	ND	25	ug/L	4.8
Carbon tetrachloride	ND	25	ug/L	4.8
Chlorobenzene	ND	25	ug/L	7.5
Chloroethane	ND	50	ug/L	6.2
2-Chloroethyl vinyl ether	ND	50	ug/L	3.2
Chloroform	ND	25	ug/L	5.8
Chloromethane	ND	50	ug/L	7.5
Dibromochloromethane	ND	25	ug/L	9.5
Dibromomethane	ND	25	ug/L	11
1,2-Dibromoethane (EDB)	ND	25	ug/L	9.0
1,2-Dichlorobenzene	ND	25	ug/L	6.0
1,3-Dichlorobenzene	ND	25	ug/L	6.5
1,4-Dichlorobenzene	ND	25	ug/L	6.0
Dichlorodifluoromethane	ND	50	ug/L	5.8
1,1-Dichloroethane	ND	25	ug/L	4.2
1,2-Dichloroethane	ND	25	ug/L	7.0
1,1-Dichloroethene	ND	25	ug/L	5.0
cis-1,2-Dichloroethene	**510**	**25**	**ug/L**	**6.5**
trans-1,2-Dichloroethene	**77**	**12**	**ug/L**	**6.8**
1,2-Dichloroethene (total)	**590**	**25**	**ug/L**	**13**
1,2-Dichloropropane	ND	25	ug/L	5.2
cis-1,3-Dichloropropene	ND	25	ug/L	7.0
trans-1,3-Dichloropropene	ND	25	ug/L	10
trans-1,4-Dichloro-2-butene	ND	25	ug/L	15
1,4-Dioxane	ND	5000	ug/L	420
Ethanol	ND	5000	ug/L	1800
Ethylbenzene	ND	25	ug/L	7.0
Ethyl methacrylate	ND	25	ug/L	6.2

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DAMES & MOORE

Client Sample ID: GW-TCE20-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-010 **Work Order #...:** DG5NL101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	25	ug/L	6.2
2-Hexanone	ND	120	ug/L	18
Iodomethane	ND	25	ug/L	5.8
Methylene chloride	ND	25	ug/L	22
4-Methyl-2-pentanone	ND	120	ug/L	20
Methyl tert-butyl ether	ND	120	ug/L	5.2
Styrene	ND	25	ug/L	6.8
1,1,2,2-Tetrachloroethane	ND	25	ug/L	7.8
tert-Butyl alcohol	ND	1200	ug/L	160
Tetrachloroethene	ND	25	ug/L	9.0
Tetrahydrofuran	ND	120	ug/L	8.0
Toluene	ND	25	ug/L	7.2
1,1,1-Trichloroethane	ND	25	ug/L	6.5
1,1,2-Trichloroethane	ND	25	ug/L	9.8
Trichloroethene	**1400**	**25**	**ug/L**	**5.5**
Trichlorofluoromethane	ND	50	ug/L	7.0
1,2,3-Trichloropropane	ND	25	ug/L	7.2
Trichlorotrifluoroethane	ND	25	ug/L	5.2
Vinyl acetate	ND	50	ug/L	7.8
Vinyl chloride	ND	25	ug/L	24
Xylenes (total)	ND	50	ug/L	24
Dichlorofluoromethane	ND	50	ug/L	3.0
Ethyl ether	ND	50	ug/L	6.0
Acetonitrile	ND	500	ug/L	65
Chloroprene	ND	25	ug/L	5.5
Isopropyl ether	ND	250	ug/L	23
Propionitrile	ND	120	ug/L	56
Ethyl acetate	ND	120	ug/L	6.2
Methacrylonitrile	ND	250	ug/L	40
Isobutyl alcohol	ND	1200	ug/L	280
Methyl methacrylate	ND	25	ug/L	7.5
n-Butanol	ND	1200	ug/L	190
2-Nitropropane	ND	50	ug/L	13
1,1,1,2-Tetrachloroethane	ND	25	ug/L	5.5
Cyclohexanone	ND	500	ug/L	290
Isopropylbenzene	ND	25	ug/L	7.8
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/L	6.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
1,2-Dichloroethane-d4	99	(78 - 123)
4-Bromofluorobenzene	107	(80 - 120)
Toluene-d8	110	(82 - 122)

DAMES & MOORE

Client Sample ID: GW-TCE24-8-9

GC/MS Volatiles

Lot-Sample #...: D0G130230-011 **Work Order #...:** DG5NP101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 17:30 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 20:15
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	200	ug/L	47
Acrylonitrile	ND	200	ug/L	24
Acetone	ND	100	ug/L	19
Benzene	ND	10	ug/L	2.1
Bromodichloromethane	ND	10	ug/L	2.2
Bromoform	ND	10	ug/L	3.2
Bromomethane	ND	20	ug/L	3.0
2-Butanone (MEK)	ND	50	ug/L	9.3
Carbon disulfide	ND	10	ug/L	1.9
Carbon tetrachloride	ND	10	ug/L	1.9
Chlorobenzene	ND	10	ug/L	3.0
Chloroethane	ND	20	ug/L	2.5
2-Chloroethyl vinyl ether	ND	20	ug/L	1.3
Chloroform	ND	10	ug/L	2.3
Chloromethane	ND	20	ug/L	3.0
Dibromochloromethane	ND	10	ug/L	3.8
Dibromomethane	ND	10	ug/L	4.4
1,2-Dibromoethane (EDB)	ND	10	ug/L	3.6
1,2-Dichlorobenzene	ND	10	ug/L	2.4
1,3-Dichlorobenzene	ND	10	ug/L	2.6
1,4-Dichlorobenzene	ND	10	ug/L	2.4
Dichlorodifluoromethane	ND	20	ug/L	2.3
1,1-Dichloroethane	**2.4 J**	**10**	**ug/L**	**1.7**
1,2-Dichloroethane	ND	10	ug/L	2.8
1,1-Dichloroethene	**2.8 J**	**10**	**ug/L**	**2.0**
cis-1,2-Dichloroethene	**380**	**10**	**ug/L**	**2.6**
trans-1,2-Dichloroethene	**46**	**5.0**	**ug/L**	**2.7**
1,2-Dichloroethene (total)	**430**	**10**	**ug/L**	**5.3**
1,2-Dichloropropane	ND	10	ug/L	2.1
cis-1,3-Dichloropropene	ND	10	ug/L	2.8
trans-1,3-Dichloropropene	ND	10	ug/L	4.2
trans-1,4-Dichloro-2-butene	ND	10	ug/L	6.0
1,4-Dioxane	ND	2000	ug/L	170
Ethanol	ND	2000	ug/L	720
Ethylbenzene	ND	10	ug/L	2.8
Ethyl methacrylate	ND	10	ug/L	2.5

(Continued on next page)

DAMES & MOORE

Client Sample ID: GW-TCE24-8-9

GC/MS Volatiles

Lot-Sample #...: D0G130230-011 **Work Order #...:** DG5NP101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	10	ug/L	2.5
2-Hexanone	ND	50	ug/L	7.0
Iodomethane	ND	10	ug/L	2.3
Methylene chloride	ND	10	ug/L	8.9
4-Methyl-2-pentanone	ND	50	ug/L	7.9
Methyl tert-butyl ether	ND	50	ug/L	2.1
Styrene	ND	10	ug/L	2.7
1,1,2,2-Tetrachloroethane	ND	10	ug/L	3.1
tert-Butyl alcohol	ND	500	ug/L	63
Tetrachloroethene	ND	10	ug/L	3.6
Tetrahydrofuran	ND	50	ug/L	3.2
Toluene	ND	10	ug/L	2.9
1,1,1-Trichloroethane	ND	10	ug/L	2.6
1,1,2-Trichloroethane	ND	10	ug/L	3.9
Trichloroethene	**240**	**10**	**ug/L**	**2.2**
Trichlorofluoromethane	ND	20	ug/L	2.8
1,2,3-Trichloropropane	ND	10	ug/L	2.9
Trichlorotrifluoroethane	ND	10	ug/L	2.1
Vinyl acetate	ND	20	ug/L	3.1
Vinyl chloride	ND	10	ug/L	9.5
Xylenes (total)	ND	20	ug/L	9.5
Dichlorofluoromethane	ND	20	ug/L	1.2
Ethyl ether	ND	20	ug/L	2.4
Acetonitrile	ND	200	ug/L	26
Chloroprene	ND	10	ug/L	2.2
Isopropyl ether	ND	100	ug/L	9.1
Propionitrile	ND	50	ug/L	22
Ethyl acetate	ND	50	ug/L	2.5
Methacrylonitrile	ND	100	ug/L	16
Isobutyl alcohol	ND	500	ug/L	110
Methyl methacrylate	ND	10	ug/L	3.0
n-Butanol	ND	500	ug/L	77
2-Nitropropane	ND	20	ug/L	5.1
1,1,1,2-Tetrachloroethane	ND	10	ug/L	2.2
Cyclohexanone	ND	200	ug/L	120
Isopropylbenzene	ND	10	ug/L	3.1
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L	2.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
1,2-Dichloroethane-d4	95	(78 - 123)
4-Bromofluorobenzene	96	(80 - 120)
Toluene-d8	113	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE24-8-9

GC/MS Volatiles

Lot-Sample #...: D0G130230-011 Work Order #...: DG5NP101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE200

GC/MS Volatiles

Lot-Sample #...: D0G130230-012
Date Sampled...: 07/11/00
Prep Date.....: 07/21/00
Prep Batch #...: 0204132
Dilution Factor: 20

Work Order #...: DG5NT101
Date Received..: 07/12/00
Analysis Date..: 07/21/00
Analysis Time..: 20:39

Matrix.....: WATER

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	400	ug/L	94
Acrylonitrile	ND	400	ug/L	48
Acetone	ND	200	ug/L	38
Benzene	ND	20	ug/L	4.2
Bromodichloromethane	ND	20	ug/L	4.4
Bromoform	ND	20	ug/L	6.4
Bromomethane	ND	40	ug/L	6.0
2-Butanone (MEK)	ND	100	ug/L	19
Carbon disulfide	ND	20	ug/L	3.8
Carbon tetrachloride	ND	20	ug/L	3.8
Chlorobenzene	ND	20	ug/L	6.0
Chloroethane	ND	40	ug/L	5.0
2-Chloroethyl vinyl ether	ND	40	ug/L	2.6
Chloroform	ND	20	ug/L	4.6
Chloromethane	ND	40	ug/L	6.0
Dibromochloromethane	ND	20	ug/L	7.6
Dibromomethane	ND	20	ug/L	8.8
1,2-Dibromoethane (EDB)	ND	20	ug/L	7.2
1,2-Dichlorobenzene	ND	20	ug/L	4.8
1,3-Dichlorobenzene	ND	20	ug/L	5.2
1,4-Dichlorobenzene	ND	20	ug/L	4.8
Dichlorodifluoromethane	ND	40	ug/L	4.6
1,1-Dichloroethane	ND	20	ug/L	3.4
1,2-Dichloroethane	ND	20	ug/L	5.6
1,1-Dichloroethene	ND	20	ug/L	4.0
cis-1,2-Dichloroethene	**470**	**20**	**ug/L**	**5.2**
trans-1,2-Dichloroethene	**66**	**10**	**ug/L**	**5.4**
1,2-Dichloroethene (total)	**540**	**20**	**ug/L**	**11**
1,2-Dichloropropane	ND	20	ug/L	4.2
cis-1,3-Dichloropropene	ND	20	ug/L	5.6
trans-1,3-Dichloropropene	ND	20	ug/L	8.4
trans-1,4-Dichloro-2-butene	ND	20	ug/L	12
1,4-Dioxane	ND	4000	ug/L	330
Ethanol	ND	4000	ug/L	1400
Ethylbenzene	ND	20	ug/L	5.6
Ethyl methacrylate	ND	20	ug/L	5.0

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DAMES & MOORE

Client Sample ID: GW-TCE200

GC/MS Volatiles

Lot-Sample #...: D0G130230-012 **Work Order #...:** DG5NT101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	20	ug/L	5.0
2-Hexanone	ND	100	ug/L	14
Iodomethane	ND	20	ug/L	4.6
Methylene chloride	ND	20	ug/L	18
4-Methyl-2-pentanone	ND	100	ug/L	16
Methyl tert-butyl ether	ND	100	ug/L	4.2
Styrene	ND	20	ug/L	5.4
1,1,2,2-Tetrachloroethane	ND	20	ug/L	6.2
tert-Butyl alcohol	ND	1000	ug/L	130
Tetrachloroethene	ND	20	ug/L	7.2
Tetrahydrofuran	ND	100	ug/L	6.4
Toluene	ND	20	ug/L	5.8
1,1,1-Trichloroethane	ND	20	ug/L	5.2
1,1,2-Trichloroethane	ND	20	ug/L	7.8
Trichloroethene	**980**	**20**	**ug/L**	**4.4**
Trichlorofluoromethane	ND	40	ug/L	5.6
1,2,3-Trichloropropane	ND	20	ug/L	5.8
Trichlorotrifluoroethane	ND	20	ug/L	4.2
Vinyl acetate	ND	40	ug/L	6.2
Vinyl chloride	ND	20	ug/L	19
Xylenes (total)	ND	40	ug/L	19
Dichlorofluoromethane	ND	40	ug/L	2.4
Ethyl ether	ND	40	ug/L	4.8
Acetonitrile	ND	400	ug/L	52
Chloroprene	ND	20	ug/L	4.4
Isopropyl ether	ND	200	ug/L	18
Propionitrile	ND	100	ug/L	44
Ethyl acetate	ND	100	ug/L	5.0
Methacrylonitrile	ND	200	ug/L	32
Isobutyl alcohol	ND	1000	ug/L	220
Methyl methacrylate	ND	20	ug/L	6.0
n-Butanol	ND	1000	ug/L	150
2-Nitropropane	ND	40	ug/L	10
1,1,1,2-Tetrachloroethane	ND	20	ug/L	4.4
Cyclohexanone	ND	400	ug/L	230
Isopropylbenzene	ND	20	ug/L	6.2
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	ug/L	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
1,2-Dichloroethane-d4	100	(78 - 123)
4-Bromofluorobenzene	110	(80 - 120)
Toluene-d8	108	(82 - 122)

DAMES & MOORE

Client Sample ID: SO-TCE25-6-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-013 **Work Order #...:** DG5PP102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 08:10 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 17:42
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**460 J**	**1100**	**ug/kg**	**280**
Acrolein	ND	5600	ug/kg	250
Acrylonitrile	ND	5600	ug/kg	410
Benzene	ND	280	ug/kg	27
Bromodichloromethane	ND	280	ug/kg	23
Bromoform	ND	280	ug/kg	47
Bromomethane	ND	560	ug/kg	49
2-Butanone (MEK)	**460 J**	**1100**	**ug/kg**	**340**
Carbon disulfide	ND	280	ug/kg	23
Carbon tetrachloride	ND	280	ug/kg	27
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	560	ug/kg	25
Chloroform	ND	280	ug/kg	23
Chloromethane	ND	560	ug/kg	45
Dibromochloromethane	ND	280	ug/kg	37
Dibromomethane	ND	280	ug/kg	57
1,2-Dibromoethane (EDB)	ND	280	ug/kg	43
1,2-Dichlorobenzene	ND	280	ug/kg	23
1,3-Dichlorobenzene	ND	280	ug/kg	23
1,4-Dichlorobenzene	ND	280	ug/kg	27
Dichlorodifluoromethane	ND	560	ug/kg	44
1,1-Dichloroethane	ND	280	ug/kg	29
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	37
trans-1,2-Dichloroethene	ND	140	ug/kg	23
1,2-Dichloroethene (total)	ND	280	ug/kg	62
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	36
trans-1,3-Dichloropropene	ND	280	ug/kg	46
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	ND	28000	ug/kg	1400
Ethanol	ND	28000	ug/kg	6900
Ethylbenzene	ND	280	ug/kg	47
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	34

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DAMES & MOORE

Client Sample ID: SO-TCE25-6-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-013 **Work Order #...:** DG5PP102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	27
Methylene chloride	**110 J**	**280**	**ug/kg**	**50**
4-Methyl-2-pentanone	ND	1100	ug/kg	79
Methyl tert-butyl ether	ND	280	ug/kg	33
Styrene	ND	280	ug/kg	42
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	52
tert-Butyl alcohol	ND	11000	ug/kg	630
Tetrachloroethene	ND	280	ug/kg	48
Tetrahydrofuran	ND	1100	ug/kg	76
Toluene	ND	280	ug/kg	40
1,1,1-Trichloroethane	ND	280	ug/kg	23
1,1,2-Trichloroethane	ND	280	ug/kg	61
Trichloroethene	ND	280	ug/kg	29
Trichlorofluoromethane	ND	560	ug/kg	58
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	34
Vinyl acetate	ND	560	ug/kg	51
Vinyl chloride	**55 J**	**560**	**ug/kg**	**33**
Xylenes (total)	ND	280	ug/kg	79
Dichlorofluoromethane	ND	560	ug/kg	23
Ethyl ether	ND	560	ug/kg	23
Acetonitrile	ND	5600	ug/kg	880
Chloroprene	ND	280	ug/kg	31
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	330
Ethyl acetate	ND	560	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	71
Isobutyl alcohol	ND	11000	ug/kg	3200
Methyl methacrylate	ND	280	ug/kg	71
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	560	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	**94 J**	**280**	**ug/kg**	**42**
1,2-Dibromo-3-chloropropane (DBCP)	ND	560	ug/kg	36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(69 - 121)
1,2-Dichloroethane-d4	82	(60 - 117)
4-Bromofluorobenzene	101	(48 - 129)
Toluene-d8	83	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE25-6-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-013 **Work Order #...:** DG5PP102 **Matrix.....:** SOLID

NOTE(S):

J Estimated result. Result is less than RL.

Results and reporting limits have been adjusted for dry weight.

DAMES & MOORE

Client Sample ID: SO-TCE37-6-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-014 **Work Order #...:** DG5Q4102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 08:55 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 18:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5500	ug/kg	240
Acrylonitrile	ND	5500	ug/kg	400
Benzene	ND	280	ug/kg	26
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	46
Bromomethane	ND	550	ug/kg	48
2-Butanone (MEK)	**490 J**	**1100**	**ug/kg**	**330**
Carbon disulfide	ND	280	ug/kg	22
Carbon tetrachloride	ND	280	ug/kg	26
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	550	ug/kg	24
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	550	ug/kg	44
Dibromochloromethane	ND	280	ug/kg	36
Dibromomethane	ND	280	ug/kg	56
1,2-Dibromoethane (EDB)	ND	280	ug/kg	43
1,2-Dichlorobenzene	**100 J**	**280**	**ug/kg**	**22**
1,3-Dichlorobenzene	ND	280	ug/kg	22
1,4-Dichlorobenzene	ND	280	ug/kg	26
Dichlorodifluoromethane	ND	550	ug/kg	43
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	37
trans-1,2-Dichloroethene	ND	140	ug/kg	22
1,2-Dichloroethene (total)	ND	280	ug/kg	61
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	45
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	ND	28000	ug/kg	1400
Ethanol	ND	28000	ug/kg	6800
Ethylbenzene	ND	280	ug/kg	47
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	33

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DAMES & MOORE

Client Sample ID: SO-TCE37-6-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-014 **Work Order #...:** DG5Q4102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	26
Methylene chloride	**91 J**	**280**	**ug/kg**	**49**
4-Methyl-2-pentanone	ND	1100	ug/kg	77
Methyl tert-butyl ether	ND	280	ug/kg	32
Styrene	ND	280	ug/kg	41
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	51
tert-Butyl alcohol	ND	11000	ug/kg	610
Tetrachloroethene	ND	280	ug/kg	47
Tetrahydrofuran	ND	1100	ug/kg	75
Toluene	ND	280	ug/kg	39
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	60
Trichloroethene	ND	280	ug/kg	28
Trichlorofluoromethane	ND	550	ug/kg	57
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	33
Vinyl acetate	ND	550	ug/kg	50
Vinyl chloride	ND	550	ug/kg	32
Xylenes (total)	ND	280	ug/kg	78
Dichlorofluoromethane	ND	550	ug/kg	22
Ethyl ether	ND	550	ug/kg	23
Acetonitrile	ND	5500	ug/kg	860
Chloroprene	ND	280	ug/kg	30
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	320
Ethyl acetate	ND	550	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	70
Isobutyl alcohol	ND	11000	ug/kg	3100
Methyl methacrylate	ND	280	ug/kg	70
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	42
1,2-Dibromo-3-chloropropane (DBCP)	ND	550	ug/kg	35

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(69 - 121)
1,2-Dichloroethane-d4	82	(60 - 117)
4-Bromofluorobenzene	86	(48 - 129)
Toluene-d8	83	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE37-6-6.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-014 Work Order #...: DG5Q4102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE34-9-9.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-015 **Work Order #...:** DG5Q9102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 11:15 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 18:28
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5600	ug/kg	240
Acrylonitrile	ND	5600	ug/kg	410
Benzene	ND	280	ug/kg	27
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	47
Bromomethane	ND	560	ug/kg	48
2-Butanone (MEK)	**480 J**	**1100**	**ug/kg**	**340**
Carbon disulfide	ND	280	ug/kg	23
Carbon tetrachloride	ND	280	ug/kg	27
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	560	ug/kg	24
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	560	ug/kg	45
Dibromochloromethane	ND	280	ug/kg	37
Dibromomethane	ND	280	ug/kg	57
1,2-Dibromoethane (EDB)	ND	280	ug/kg	43
1,2-Dichlorobenzene	ND	280	ug/kg	22
1,3-Dichlorobenzene	ND	280	ug/kg	23
1,4-Dichlorobenzene	ND	280	ug/kg	27
Dichlorodifluoromethane	ND	560	ug/kg	43
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	37
trans-1,2-Dichloroethene	ND	140	ug/kg	22
1,2-Dichloroethene (total)	ND	280	ug/kg	62
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	46
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	ND	28000	ug/kg	1400
Ethanol	ND	28000	ug/kg	6900
Ethylbenzene	ND	280	ug/kg	47
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	34

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DAMES & MOORE

Client Sample ID: SO-TCE34-9-9.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-015 **Work Order #...:** DG5Q9102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	27
Methylene chloride	**130 J**	**280**	**ug/kg**	**49**
4-Methyl-2-pentanone	ND	1100	ug/kg	79
Methyl tert-butyl ether	ND	280	ug/kg	33
Styrene	ND	280	ug/kg	42
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	52
tert-Butyl alcohol	ND	11000	ug/kg	620
Tetrachloroethene	ND	280	ug/kg	48
Tetrahydrofuran	ND	1100	ug/kg	76
Toluene	ND	280	ug/kg	40
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	61
Trichloroethene	ND	280	ug/kg	29
Trichlorofluoromethane	ND	560	ug/kg	58
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	34
Vinyl acetate	ND	560	ug/kg	51
Vinyl chloride	ND	560	ug/kg	33
Xylenes (total)	ND	280	ug/kg	79
Dichlorofluoromethane	ND	560	ug/kg	22
Ethyl ether	ND	560	ug/kg	23
Acetonitrile	ND	5600	ug/kg	870
Chloroprene	ND	280	ug/kg	31
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	320
Ethyl acetate	ND	560	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	71
Isobutyl alcohol	ND	11000	ug/kg	3200
Methyl methacrylate	ND	280	ug/kg	71
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	560	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	42
1,2-Dibromo-3-chloropropane (DBCP)	ND	560	ug/kg	36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(69 - 121)
1,2-Dichloroethane-d4	83	(60 - 117)
4-Bromofluorobenzene	85	(48 - 129)
Toluene-d8	82	(57 - 138)

(Continued on next page)

DAMES & MOORE

Client Sample ID: SO-TCE34-9-9.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-015 Work Order #...: DG5Q9102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE38-9-9.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-018 **Work Order #...:** DG5QL102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 14:30 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 18:51
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5600	ug/kg	240
Acrylonitrile	ND	5600	ug/kg	410
Benzene	ND	280	ug/kg	27
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	47
Bromomethane	ND	560	ug/kg	48
2-Butanone (MEK)	**440 J**	**1100**	**ug/kg**	**340**
Carbon disulfide	ND	280	ug/kg	23
Carbon tetrachloride	ND	280	ug/kg	27
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	560	ug/kg	25
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	560	ug/kg	45
Dibromochloromethane	ND	280	ug/kg	37
Dibromomethane	ND	280	ug/kg	57
1,2-Dibromoethane (EDB)	ND	280	ug/kg	43
1,2-Dichlorobenzene	ND	280	ug/kg	22
1,3-Dichlorobenzene	ND	280	ug/kg	23
1,4-Dichlorobenzene	ND	280	ug/kg	27
Dichlorodifluoromethane	ND	560	ug/kg	44
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	**230**	**140**	**ug/kg**	**37**
trans-1,2-Dichloroethene	ND	140	ug/kg	22
1,2-Dichloroethene (total)	**230 J**	**280**	**ug/kg**	**62**
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	46
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	**3100 J**	**28000**	**ug/kg**	**1400**
Ethanol	ND	28000	ug/kg	6900
Ethylbenzene	ND	280	ug/kg	47
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	34

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DAMES & MOORE

Client Sample ID: SO-TCE38-9-9.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-018 **Work Order #...:** DG5QL102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	27
Methylene chloride	**110 J**	**280**	**ug/kg**	**49**
4-Methyl-2-pentanone	ND	1100	ug/kg	79
Methyl tert-butyl ether	ND	280	ug/kg	33
Styrene	ND	280	ug/kg	42
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	52
tert-Butyl alcohol	ND	11000	ug/kg	620
Tetrachloroethene	ND	280	ug/kg	48
Tetrahydrofuran	ND	1100	ug/kg	76
Toluene	ND	280	ug/kg	40
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	61
Trichloroethene	**1200**	**280**	**ug/kg**	**29**
Trichlorofluoromethane	ND	560	ug/kg	58
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	34
Vinyl acetate	ND	560	ug/kg	51
Vinyl chloride	ND	560	ug/kg	33
Xylenes (total)	ND	280	ug/kg	79
Dichlorofluoromethane	ND	560	ug/kg	22
Ethyl ether	ND	560	ug/kg	23
Acetonitrile	ND	5600	ug/kg	870
Chloroprene	ND	280	ug/kg	31
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	330
Ethyl acetate	ND	560	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	71
Isobutyl alcohol	ND	11000	ug/kg	3200
Methyl methacrylate	ND	280	ug/kg	71
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	560	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	42
1,2-Dibromo-3-chloropropane (DBCP)	ND	560	ug/kg	36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(69 - 121)
1,2-Dichloroethane-d4	84	(60 - 117)
4-Bromofluorobenzene	88	(48 - 129)
Toluene-d8	88	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE38-9-9.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-018 Work Order #...: DG5QL102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE29-5-5.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-019 **Work Order #...:** DG5QM102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 15:00 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 19:14
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5500	ug/kg	240
Acrylonitrile	ND	5500	ug/kg	400
Benzene	ND	280	ug/kg	26
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	46
Bromomethane	ND	550	ug/kg	48
2-Butanone (MEK)	**480 J**	**1100**	**ug/kg**	**330**
Carbon disulfide	ND	280	ug/kg	22
Carbon tetrachloride	ND	280	ug/kg	26
Chlorobenzene	ND	280	ug/kg	38
Chloroethane	ND	550	ug/kg	24
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	550	ug/kg	44
Dibromochloromethane	ND	280	ug/kg	36
Dibromomethane	ND	280	ug/kg	56
1,2-Dibromoethane (EDB)	ND	280	ug/kg	42
1,2-Dichlorobenzene	ND	280	ug/kg	22
1,3-Dichlorobenzene	ND	280	ug/kg	22
1,4-Dichlorobenzene	ND	280	ug/kg	26
Dichlorodifluoromethane	ND	550	ug/kg	43
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	36
trans-1,2-Dichloroethene	ND	140	ug/kg	22
1,2-Dichloroethene (total)	ND	280	ug/kg	61
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	45
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	ND	28000	ug/kg	1400
Ethanol	ND	28000	ug/kg	6800
Ethylbenzene	ND	280	ug/kg	46
Ethyl methacrylate	ND	280	ug/kg	31
Hexane	ND	280	ug/kg	33

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DAMES & MOORE

Client Sample ID: SO-TCE29-5-5.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-019 **Work Order #...:** DG5QM102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	26
Methylene chloride	**100 J**	**280**	**ug/kg**	**48**
4-Methyl-2-pentanone	ND	1100	ug/kg	77
Methyl tert-butyl ether	ND	280	ug/kg	32
Styrene	ND	280	ug/kg	41
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	51
tert-Butyl alcohol	ND	11000	ug/kg	610
Tetrachloroethene	ND	280	ug/kg	47
Tetrahydrofuran	ND	1100	ug/kg	74
Toluene	ND	280	ug/kg	39
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	59
Trichloroethene	ND	280	ug/kg	28
Trichlorofluoromethane	ND	550	ug/kg	57
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	33
Vinyl acetate	ND	550	ug/kg	50
Vinyl chloride	ND	550	ug/kg	32
Xylenes (total)	ND	280	ug/kg	77
Dichlorofluoromethane	ND	550	ug/kg	22
Ethyl ether	ND	550	ug/kg	23
Acetonitrile	ND	5500	ug/kg	850
Chloroprene	ND	280	ug/kg	30
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	320
Ethyl acetate	ND	550	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	69
Isobutyl alcohol	ND	11000	ug/kg	3100
Methyl methacrylate	ND	280	ug/kg	69
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	41
1,2-Dibromo-3-chloropropane (DBCP)	ND	550	ug/kg	35

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	87	(69 - 121)
1,2-Dichloroethane-d4	81	(60 - 117)
4-Bromofluorobenzene	81	(48 - 129)
Toluene-d8	80	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE29-5-5.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-019 **Work Order #...:** DG5QM102 **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE33-5-5.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-020 **Work Order #...:** DG5QN102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 15:40 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 19:37
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dichloroethene (total)	ND	280	ug/kg	61
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	ND	28000	ug/kg	1400
Ethanol	ND	28000	ug/kg	6800
Ethylbenzene	ND	280	ug/kg	46
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	33
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	26
Methylene chloride	**120 J**	**280**	**ug/kg**	**49**
4-Methyl-2-pentanone	ND	1100	ug/kg	77
Methyl tert-butyl ether	ND	280	ug/kg	32
Styrene	ND	280	ug/kg	41
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	51
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	45
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5500	ug/kg	240
Acrylonitrile	ND	5500	ug/kg	400
Benzene	ND	280	ug/kg	26
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	46
Bromomethane	ND	550	ug/kg	48
2-Butanone (MEK)	**740 J**	**1100**	**ug/kg**	**330**
Carbon disulfide	ND	280	ug/kg	22
Carbon tetrachloride	ND	280	ug/kg	26
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	550	ug/kg	24
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	550	ug/kg	44
Dibromochloromethane	ND	280	ug/kg	36
Dibromomethane	ND	280	ug/kg	56
1,2-Dibromoethane (EDB)	ND	280	ug/kg	42
1,2-Dichlorobenzene	ND	280	ug/kg	22
1,3-Dichlorobenzene	ND	280	ug/kg	22

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DAMES & MOORE

Client Sample ID: SO-TCE33-5-5.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-020 **Work Order #...:** DG5QN102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,4-Dichlorobenzene	ND	280	ug/kg	26
Dichlorodifluoromethane	ND	550	ug/kg	43
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	37
trans-1,2-Dichloroethene	ND	140	ug/kg	22
tert-Butyl alcohol	ND	11000	ug/kg	610
Tetrachloroethene	ND	280	ug/kg	47
Tetrahydrofuran	ND	1100	ug/kg	75
Toluene	ND	280	ug/kg	39
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	60
Trichloroethene	ND	280	ug/kg	28
Trichlorofluoromethane	ND	550	ug/kg	57
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	33
Vinyl acetate	ND	550	ug/kg	50
Vinyl chloride	ND	550	ug/kg	32
Xylenes (total)	ND	280	ug/kg	77
Dichlorofluoromethane	ND	550	ug/kg	22
Ethyl ether	ND	550	ug/kg	23
Acetonitrile	ND	5500	ug/kg	860
Chloroprene	ND	280	ug/kg	30
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	320
Ethyl acetate	ND	550	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	69
Isobutyl alcohol	ND	11000	ug/kg	3100
Methyl methacrylate	ND	280	ug/kg	69
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	42
1,2-Dibromo-3-chloropropane (DBCP)	ND	550	ug/kg	35

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	86	(69 - 121)
1,2-Dichloroethane-d4	79	(60 - 117)
4-Bromofluorobenzene	81	(48 - 129)
Toluene-d8	79	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE33-5-5.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-020 Work Order #...: DG5QN102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE39-5-6

GC/MS Volatiles

Lot-Sample #...: D0G130230-022 **Work Order #...:** DG5QR102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 16:30 **Date Received..:** 07/13/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 20:00
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1100	ug/kg	280
Acrolein	ND	5600	ug/kg	240
Acrylonitrile	ND	5600	ug/kg	400
Benzene	ND	280	ug/kg	26
Bromodichloromethane	ND	280	ug/kg	22
Bromoform	ND	280	ug/kg	47
Bromomethane	ND	560	ug/kg	48
2-Butanone (MEK)	**590 J**	**1100**	**ug/kg**	**340**
Carbon disulfide	ND	280	ug/kg	23
Carbon tetrachloride	ND	280	ug/kg	26
Chlorobenzene	ND	280	ug/kg	39
Chloroethane	ND	560	ug/kg	24
Chloroform	ND	280	ug/kg	22
Chloromethane	ND	560	ug/kg	44
Dibromochloromethane	ND	280	ug/kg	36
Dibromomethane	ND	280	ug/kg	56
1,2-Dibromoethane (EDB)	ND	280	ug/kg	43
1,2-Dichlorobenzene	ND	280	ug/kg	22
1,3-Dichlorobenzene	ND	280	ug/kg	22
1,4-Dichlorobenzene	ND	280	ug/kg	26
Dichlorodifluoromethane	ND	560	ug/kg	43
1,1-Dichloroethane	ND	280	ug/kg	28
1,2-Dichloroethane	ND	280	ug/kg	23
1,1-Dichloroethene	ND	280	ug/kg	23
cis-1,2-Dichloroethene	ND	140	ug/kg	37
trans-1,2-Dichloroethene	ND	140	ug/kg	22
1,2-Dichloroethene (total)	ND	280	ug/kg	62
1,2-Dichloropropane	ND	280	ug/kg	26
cis-1,3-Dichloropropene	ND	280	ug/kg	35
trans-1,3-Dichloropropene	ND	280	ug/kg	45
trans-1,4-Dichloro-2-butene	ND	280	ug/kg	110
1,4-Dioxane	**3400 J**	**28000**	**ug/kg**	**1400**
Ethanol	ND	28000	ug/kg	6800
Ethylbenzene	ND	280	ug/kg	47
Ethyl methacrylate	ND	280	ug/kg	32
Hexane	ND	280	ug/kg	33

(Continued on next page)

DAMES & MOORE

Client Sample ID: SO-TCE39-5-6

GC/MS Volatiles

Lot-Sample #...: D0G130230-022 **Work Order #...:** DG5QR102 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Hexanone	ND	1100	ug/kg	140
Iodomethane	ND	280	ug/kg	27
Methylene chloride	**120 J**	**280**	**ug/kg**	**49**
4-Methyl-2-pentanone	ND	1100	ug/kg	78
Methyl tert-butyl ether	ND	280	ug/kg	33
Styrene	ND	280	ug/kg	41
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	51
tert-Butyl alcohol	ND	11000	ug/kg	620
Tetrachloroethene	ND	280	ug/kg	47
Tetrahydrofuran	ND	1100	ug/kg	75
Toluene	ND	280	ug/kg	40
1,1,1-Trichloroethane	ND	280	ug/kg	22
1,1,2-Trichloroethane	ND	280	ug/kg	60
Trichloroethene	ND	280	ug/kg	29
Trichlorofluoromethane	ND	560	ug/kg	57
1,2,3-Trichloropropane	ND	280	ug/kg	110
Trichlorotrifluoroethane	ND	1100	ug/kg	34
Vinyl acetate	ND	560	ug/kg	51
Vinyl chloride	ND	560	ug/kg	33
Xylenes (total)	ND	280	ug/kg	78
Dichlorofluoromethane	ND	560	ug/kg	22
Ethyl ether	ND	560	ug/kg	23
Acetonitrile	ND	5600	ug/kg	860
Chloroprene	ND	280	ug/kg	30
Isopropyl ether	ND	2800	ug/kg	110
Propionitrile	ND	1100	ug/kg	320
Ethyl acetate	ND	560	ug/kg	160
Methacrylonitrile	ND	2800	ug/kg	70
Isobutyl alcohol	ND	11000	ug/kg	3200
Methyl methacrylate	ND	280	ug/kg	70
n-Butanol	ND	11000	ug/kg	2300
2-Nitropropane	ND	560	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	36
Cyclohexanone	ND	14000	ug/kg	2600
Isopropylbenzene	ND	280	ug/kg	42
1,2-Dibromo-3-chloropropane (DBCP)	ND	560	ug/kg	35

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	84	(69 - 121)
1,2-Dichloroethane-d4	77	(60 - 117)
4-Bromofluorobenzene	84	(48 - 129)
Toluene-d8	81	(57 - 138)

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DAMES & MOORE

Client Sample ID: SO-TCE39-5-6

GC/MS Volatiles

Lot-Sample #...: D0G130230-022 Work Order #...: DG5QR102 Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE17-12-13

GC/MS Volatiles

Lot-Sample #...: D0G130230-025 **Work Order #...:** DG5R9101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 18:06 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 21:03
Dilution Factor: 2
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	40	ug/L	9.4
Acrylonitrile	ND	40	ug/L	4.8
Acetone	ND	20	ug/L	3.8
Benzene	ND	2.0	ug/L	0.42
Bromodichloromethane	ND	2.0	ug/L	0.44
Bromoform	ND	2.0	ug/L	0.64
Bromomethane	ND	4.0	ug/L	0.60
2-Butanone (MEK)	ND	10	ug/L	1.9
Carbon disulfide	ND	2.0	ug/L	0.38
Carbon tetrachloride	ND	2.0	ug/L	0.38
Chlorobenzene	ND	2.0	ug/L	0.60
Chloroethane	ND	4.0	ug/L	0.50
2-Chloroethyl vinyl ether	ND	4.0	ug/L	0.26
Chloroform	ND	2.0	ug/L	0.46
Chloromethane	ND	4.0	ug/L	0.60
Dibromochloromethane	ND	2.0	ug/L	0.76
Dibromomethane	ND	2.0	ug/L	0.88
1,2-Dibromoethane (EDB)	ND	2.0	ug/L	0.72
1,2-Dichlorobenzene	ND	2.0	ug/L	0.48
1,3-Dichlorobenzene	ND	2.0	ug/L	0.52
1,4-Dichlorobenzene	ND	2.0	ug/L	0.48
Dichlorodifluoromethane	ND	4.0	ug/L	0.46
1,1-Dichloroethane	ND	2.0	ug/L	0.34
1,2-Dichloroethane	ND	2.0	ug/L	0.56
1,1-Dichloroethene	ND	2.0	ug/L	0.40
cis-1,2-Dichloroethene	**48**	**2.0**	**ug/L**	**0.52**
trans-1,2-Dichloroethene	**25**	**1.0**	**ug/L**	**0.54**
1,2-Dichloroethene (total)	**73**	**2.0**	**ug/L**	**1.1**
1,2-Dichloropropane	ND	2.0	ug/L	0.42
cis-1,3-Dichloropropene	ND	2.0	ug/L	0.56
trans-1,3-Dichloropropene	ND	2.0	ug/L	0.84
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	1.2
1,4-Dioxane	ND	400	ug/L	33
Ethanol	ND	400	ug/L	140
Ethylbenzene	ND	2.0	ug/L	0.56
Ethyl methacrylate	ND	2.0	ug/L	0.50

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DAMES & MOORE

Client Sample ID: GW-TCE17-12-13

GC/MS Volatiles

Lot-Sample #...: D0G130230-025 **Work Order #...:** DG5R9101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	2.0	ug/L	0.50
2-Hexanone	ND	10	ug/L	1.4
Iodomethane	ND	2.0	ug/L	0.46
Methylene chloride	ND	2.0	ug/L	1.8
4-Methyl-2-pentanone	ND	10	ug/L	1.6
Methyl tert-butyl ether	ND	10	ug/L	0.42
Styrene	ND	2.0	ug/L	0.54
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.62
tert-Butyl alcohol	ND	100	ug/L	13
Tetrachloroethene	ND	2.0	ug/L	0.72
Tetrahydrofuran	ND	10	ug/L	0.64
Toluene	ND	2.0	ug/L	0.58
1,1,1-Trichloroethane	ND	2.0	ug/L	0.52
1,1,2-Trichloroethane	ND	2.0	ug/L	0.78
Trichloroethene	**100**	**2.0**	**ug/L**	**0.44**
Trichlorofluoromethane	ND	4.0	ug/L	0.56
1,2,3-Trichloropropane	ND	2.0	ug/L	0.58
Trichlorotrifluoroethane	ND	2.0	ug/L	0.42
Vinyl acetate	ND	4.0	ug/L	0.62
Vinyl chloride	**2.7**	**2.0**	**ug/L**	**1.9**
Xylenes (total)	ND	4.0	ug/L	1.9
Dichlorofluoromethane	ND	4.0	ug/L	0.24
Ethyl ether	ND	4.0	ug/L	0.48
Acetonitrile	ND	40	ug/L	5.2
Chloroprene	ND	2.0	ug/L	0.44
Isopropyl ether	ND	20	ug/L	1.8
Propionitrile	ND	10	ug/L	4.4
Ethyl acetate	ND	10	ug/L	0.50
Methacrylonitrile	ND	20	ug/L	3.2
Isobutyl alcohol	ND	100	ug/L	22
Methyl methacrylate	ND	2.0	ug/L	0.60
n-Butanol	ND	100	ug/L	15
2-Nitropropane	ND	4.0	ug/L	1.0
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	0.44
Cyclohexanone	ND	40	ug/L	23
Isopropylbenzene	ND	2.0	ug/L	0.62
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L	0.50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	92	(80 - 120)
Toluene-d8	111	(82 - 122)

DAMES & MOORE

Client Sample ID: GW-TCE21-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-026 **Work Order #...:** DG5V0101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 18:20 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 21:27
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	200	ug/L	47
Acrylonitrile	ND	200	ug/L	24
Acetone	ND	100	ug/L	19
Benzene	ND	10	ug/L	2.1
Bromodichloromethane	ND	10	ug/L	2.2
Bromoform	ND	10	ug/L	3.2
Bromomethane	ND	20	ug/L	3.0
2-Butanone (MEK)	ND	50	ug/L	9.3
Carbon disulfide	ND	10	ug/L	1.9
Carbon tetrachloride	ND	10	ug/L	1.9
Chlorobenzene	ND	10	ug/L	3.0
Chloroethane	ND	20	ug/L	2.5
2-Chloroethyl vinyl ether	ND	20	ug/L	1.3
Chloroform	ND	10	ug/L	2.3
Chloromethane	ND	20	ug/L	3.0
Dibromochloromethane	ND	10	ug/L	3.8
Dibromomethane	ND	10	ug/L	4.4
1,2-Dibromoethane (EDB)	ND	10	ug/L	3.6
1,2-Dichlorobenzene	ND	10	ug/L	2.4
1,3-Dichlorobenzene	ND	10	ug/L	2.6
1,4-Dichlorobenzene	ND	10	ug/L	2.4
Dichlorodifluoromethane	ND	20	ug/L	2.3
1,1-Dichloroethane	ND	10	ug/L	1.7
1,2-Dichloroethane	ND	10	ug/L	2.8
1,1-Dichloroethene	ND	10	ug/L	2.0
cis-1,2-Dichloroethene	**440**	**10**	**ug/L**	**2.6**
trans-1,2-Dichloroethene	**62**	**5.0**	**ug/L**	**2.7**
1,2-Dichloroethene (total)	**510**	**10**	**ug/L**	**5.3**
1,2-Dichloropropane	ND	10	ug/L	2.1
cis-1,3-Dichloropropene	ND	10	ug/L	2.8
trans-1,3-Dichloropropene	ND	10	ug/L	4.2
trans-1,4-Dichloro-2-butene	ND	10	ug/L	6.0
1,4-Dioxane	ND	2000	ug/L	170
Ethanol	ND	2000	ug/L	720
Ethylbenzene	ND	10	ug/L	2.8
Ethyl methacrylate	ND	10	ug/L	2.5

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DAMES & MOORE

Client Sample ID: GW-TCE21-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-026 **Work Order #...:** DG5V0101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	10	ug/L	2.5
2-Hexanone	ND	50	ug/L	7.0
Iodomethane	ND	10	ug/L	2.3
Methylene chloride	ND	10	ug/L	8.9
4-Methyl-2-pentanone	ND	50	ug/L	7.9
Methyl tert-butyl ether	ND	50	ug/L	2.1
Styrene	ND	10	ug/L	2.7
1,1,2,2-Tetrachloroethane	ND	10	ug/L	3.1
tert-Butyl alcohol	ND	500	ug/L	63
Tetrachloroethene	ND	10	ug/L	3.6
Tetrahydrofuran	ND	50	ug/L	3.2
Toluene	ND	10	ug/L	2.9
1,1,1-Trichloroethane	ND	10	ug/L	2.6
1,1,2-Trichloroethane	ND	10	ug/L	3.9
Trichloroethene	**520**	**10**	**ug/L**	**2.2**
Trichlorofluoromethane	ND	20	ug/L	2.8
1,2,3-Trichloropropane	ND	10	ug/L	2.9
Trichlorotrifluoroethane	ND	10	ug/L	2.1
Vinyl acetate	ND	20	ug/L	3.1
Vinyl chloride	ND	10	ug/L	9.5
Xylenes (total)	ND	20	ug/L	9.5
Dichlorofluoromethane	ND	20	ug/L	1.2
Ethyl ether	ND	20	ug/L	2.4
Acetonitrile	ND	200	ug/L	26
Chloroprene	ND	10	ug/L	2.2
Isopropyl ether	ND	100	ug/L	9.1
Propionitrile	ND	50	ug/L	22
Ethyl acetate	ND	50	ug/L	2.5
Methacrylonitrile	ND	100	ug/L	16
Isobutyl alcohol	ND	500	ug/L	110
Methyl methacrylate	ND	10	ug/L	3.0
n-Butanol	ND	500	ug/L	77
2-Nitropropane	ND	20	ug/L	5.1
1,1,1,2-Tetrachloroethane	ND	10	ug/L	2.2
Cyclohexanone	ND	200	ug/L	120
Isopropylbenzene	ND	10	ug/L	3.1
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L	2.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(82 - 122)
1,2-Dichloroethane-d4	95	(78 - 123)
4-Bromofluorobenzene	91	(80 - 120)
Toluene-d8	111	(82 - 122)

DAMES & MOORE

Client Sample ID: GW-TCE19-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-027 **Work Order #...:** DG5V1101 **Matrix.....:** WATER
Date Sampled...: 07/11/00 18:30 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 21:51
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	ND	10	ug/L	1.9
Benzene	ND	1.0	ug/L	0.21
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.25
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.17
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	**0.28 J**	**1.0**	**ug/L**	**0.20**
cis-1,2-Dichloroethene	**36**	**1.0**	**ug/L**	**0.26**
trans-1,2-Dichloroethene	**32**	**0.50**	**ug/L**	**0.27**
1,2-Dichloroethene (total)	**69**	**1.0**	**ug/L**	**0.53**
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	ND	1.0	ug/L	0.28
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: GW-TCE19-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-027 **Work Order #...:** DG5V1101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	1.0	ug/L	0.25
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.89
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	ND	1.0	ug/L	0.26
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	**22**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	**3.5**	**1.0**	**ug/L**	**0.95**
Xylenes (total)	ND	2.0	ug/L	0.95
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	ND	2.0	ug/L	0.24
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	ND	1.0	ug/L	0.31
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(82 - 122)
1,2-Dichloroethane-d4	95	(78 - 123)
4-Bromofluorobenzene	96	(80 - 120)
Toluene-d8	112	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE19-10-11

GC/MS Volatiles

Lot-Sample #...: D0G130230-027 Work Order #...: DG5V1101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE25-8-10

GC/MS Volatiles

Lot-Sample #...: D0G130230-028 **Work Order #...:** DG5VA101 **Matrix.....:** WATER
Date Sampled...: 07/12/00 11:50 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 22:15
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	200	ug/L	47
Acrylonitrile	ND	200	ug/L	24
Acetone	**47 J**	**100**	**ug/L**	**19**
Benzene	ND	10	ug/L	2.1
Bromodichloromethane	ND	10	ug/L	2.2
Bromoform	ND	10	ug/L	3.2
Bromomethane	ND	20	ug/L	3.0
2-Butanone (MEK)	ND	50	ug/L	9.3
Carbon disulfide	ND	10	ug/L	1.9
Carbon tetrachloride	ND	10	ug/L	1.9
Chlorobenzene	ND	10	ug/L	3.0
Chloroethane	ND	20	ug/L	2.5
2-Chloroethyl vinyl ether	ND	20	ug/L	1.3
Chloroform	ND	10	ug/L	2.3
Chloromethane	ND	20	ug/L	3.0
Dibromochloromethane	ND	10	ug/L	3.8
Dibromomethane	ND	10	ug/L	4.4
1,2-Dibromoethane (EDB)	ND	10	ug/L	3.6
1,2-Dichlorobenzene	ND	10	ug/L	2.4
1,3-Dichlorobenzene	ND	10	ug/L	2.6
1,4-Dichlorobenzene	ND	10	ug/L	2.4
Dichlorodifluoromethane	ND	20	ug/L	2.3
1,1-Dichloroethane	**210**	**10**	**ug/L**	**1.7**
1,2-Dichloroethane	ND	10	ug/L	2.8
1,1-Dichloroethene	**34**	**10**	**ug/L**	**2.0**
cis-1,2-Dichloroethene	**1000 E**	**10**	**ug/L**	**2.6**
trans-1,2-Dichloroethene	**28**	**5.0**	**ug/L**	**2.7**
1,2-Dichloroethene (total)	**1100**	**10**	**ug/L**	**5.3**
1,2-Dichloropropane	ND	10	ug/L	2.1
cis-1,3-Dichloropropene	ND	10	ug/L	2.8
trans-1,3-Dichloropropene	ND	10	ug/L	4.2
trans-1,4-Dichloro-2-butene	ND	10	ug/L	6.0
1,4-Dioxane	ND	2000	ug/L	170
Ethanol	ND	2000	ug/L	720
Ethylbenzene	ND	10	ug/L	2.8
Ethyl methacrylate	ND	10	ug/L	2.5

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DAMES & MOORE

Client Sample ID: GW-TCE25-8-10

GC/MS Volatiles

Lot-Sample #...: D0G130230-028 Work Order #...: DG5VA101 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	10	ug/L	2.5
2-Hexanone	ND	50	ug/L	7.0
Iodomethane	ND	10	ug/L	2.3
Methylene chloride	ND	10	ug/L	8.9
4-Methyl-2-pentanone	ND	50	ug/L	7.9
Methyl tert-butyl ether	ND	50	ug/L	2.1
Styrene	ND	10	ug/L	2.7
1,1,2,2-Tetrachloroethane	ND	10	ug/L	3.1
tert-Butyl alcohol	ND	500	ug/L	63
Tetrachloroethene	ND	10	ug/L	3.6
Tetrahydrofuran	ND	50	ug/L	3.2
Toluene	ND	10	ug/L	2.9
1,1,1-Trichloroethane	**92**	**10**	**ug/L**	**2.6**
1,1,2-Trichloroethane	ND	10	ug/L	3.9
Trichloroethene	**1000 E**	**10**	**ug/L**	**2.2**
Trichlorofluoromethane	ND	20	ug/L	2.8
1,2,3-Trichloropropane	ND	10	ug/L	2.9
Trichlorotrifluoroethane	ND	10	ug/L	2.1
Vinyl acetate	ND	20	ug/L	3.1
Vinyl chloride	**200**	**10**	**ug/L**	**9.5**
Xylenes (total)	**14 J**	**20**	**ug/L**	**9.5**
Dichlorofluoromethane	ND	20	ug/L	1.2
Ethyl ether	ND	20	ug/L	2.4
Acetonitrile	ND	200	ug/L	26
Chloroprene	ND	10	ug/L	2.2
Isopropyl ether	ND	100	ug/L	9.1
Propionitrile	ND	50	ug/L	22
Ethyl acetate	ND	50	ug/L	2.5
Methacrylonitrile	ND	100	ug/L	16
Isobutyl alcohol	ND	500	ug/L	110
Methyl methacrylate	ND	10	ug/L	3.0
n-Butanol	ND	500	ug/L	77
2-Nitropropane	ND	20	ug/L	5.1
1,1,1,2-Tetrachloroethane	ND	10	ug/L	2.2
Cyclohexanone	ND	200	ug/L	120
Isopropylbenzene	**11**	**10**	**ug/L**	**3.1**
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L	2.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(82 - 122)
1,2-Dichloroethane-d4	96	(78 - 123)
4-Bromofluorobenzene	127 *	(80 - 120)
Toluene-d8	105	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE25-8-10

GC/MS Volatiles

Lot-Sample #...: D0G130230-028 Work Order #...: DG5VA101 Matrix.....: WATER

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

DAMES & MOORE

Client Sample ID: GW-TCE25-8-10

GC/MS Volatiles

Lot-Sample #...: D0G130230-028 **Work Order #...:** DG5VA201 **Matrix.....:** WATER
Date Sampled...: 07/12/00 11:50 **Date Received..:** 07/13/00
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 16:28
Dilution Factor: 25
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	500	ug/L	120
Acrylonitrile	ND	500	ug/L	60
Acetone	ND	250	ug/L	47
Benzene	ND	25	ug/L	5.2
Bromodichloromethane	ND	25	ug/L	5.5
Bromoform	ND	25	ug/L	8.0
Bromomethane	ND	50	ug/L	7.5
2-Butanone (MEK)	ND	120	ug/L	23
Carbon disulfide	ND	25	ug/L	4.8
Carbon tetrachloride	ND	25	ug/L	4.8
Chlorobenzene	ND	25	ug/L	7.5
Chloroethane	ND	50	ug/L	6.2
2-Chloroethyl vinyl ether	ND	50	ug/L	3.2
Chloroform	ND	25	ug/L	5.8
Chloromethane	ND	50	ug/L	7.5
Dibromochloromethane	ND	25	ug/L	9.5
Dibromomethane	ND	25	ug/L	11
1,2-Dibromoethane (EDB)	ND	25	ug/L	9.0
1,2-Dichlorobenzene	ND	25	ug/L	6.0
1,3-Dichlorobenzene	ND	25	ug/L	6.5
1,4-Dichlorobenzene	ND	25	ug/L	6.0
Dichlorodifluoromethane	ND	50	ug/L	5.8
1,1-Dichloroethane	**210**	**25**	**ug/L**	**4.2**
1,2-Dichloroethane	ND	25	ug/L	7.0
1,1-Dichloroethene	**33**	**25**	**ug/L**	**5.0**
cis-1,2-Dichloroethene	**1100**	**25**	**ug/L**	**6.5**
trans-1,2-Dichloroethene	**28**	**12**	**ug/L**	**6.8**
1,2-Dichloroethene (total)	**1100**	**25**	**ug/L**	**13**
1,2-Dichloropropane	ND	25	ug/L	5.2
cis-1,3-Dichloropropene	ND	25	ug/L	7.0
trans-1,3-Dichloropropene	ND	25	ug/L	10
trans-1,4-Dichloro-2-butene	ND	25	ug/L	15
1,4-Dioxane	ND	5000	ug/L	420
Ethanol	ND	5000	ug/L	1800
Ethylbenzene	ND	25	ug/L	7.0
Ethyl methacrylate	ND	25	ug/L	6.2

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DAMES & MOORE

Client Sample ID: GW-TCE25-8-10

GC/MS Volatiles

Lot-Sample #...: D0G130230-028 **Work Order #...:** DG5VA201 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	25	ug/L	6.2
2-Hexanone	**450**	**120**	**ug/L**	**18**
Iodomethane	ND	25	ug/L	5.8
Methylene chloride	ND	25	ug/L	22
4-Methyl-2-pentanone	ND	120	ug/L	20
Methyl tert-butyl ether	ND	120	ug/L	5.2
Styrene	ND	25	ug/L	6.8
1,1,2,2-Tetrachloroethane	ND	25	ug/L	7.8
tert-Butyl alcohol	ND	1200	ug/L	160
Tetrachloroethene	ND	25	ug/L	9.0
Tetrahydrofuran	ND	120	ug/L	8.0
Toluene	ND	25	ug/L	7.2
1,1,1-Trichloroethane	**97**	**25**	**ug/L**	**6.5**
1,1,2-Trichloroethane	ND	25	ug/L	9.8
Trichloroethene	**1100**	**25**	**ug/L**	**5.5**
Trichlorofluoromethane	ND	50	ug/L	7.0
1,2,3-Trichloropropane	ND	25	ug/L	7.2
Trichlorotrifluoroethane	ND	25	ug/L	5.2
Vinyl acetate	ND	50	ug/L	7.8
Vinyl chloride	**180**	**25**	**ug/L**	**24**
Xylenes (total)	ND	50	ug/L	24
Dichlorofluoromethane	ND	50	ug/L	3.0
Ethyl ether	ND	50	ug/L	6.0
Acetonitrile	ND	500	ug/L	65
Chloroprene	ND	25	ug/L	5.5
Isopropyl ether	ND	250	ug/L	23
Propionitrile	ND	120	ug/L	56
Ethyl acetate	ND	120	ug/L	6.2
Methacrylonitrile	ND	250	ug/L	40
Isobutyl alcohol	ND	1200	ug/L	280
Methyl methacrylate	ND	25	ug/L	7.5
n-Butanol	ND	1200	ug/L	190
2-Nitropropane	ND	50	ug/L	13
1,1,1,2-Tetrachloroethane	ND	25	ug/L	5.5
Cyclohexanone	ND	500	ug/L	290
Isopropylbenzene	**12 J**	**25**	**ug/L**	**7.8**
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/L	6.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
1,2-Dichloroethane-d4	98	(78 - 123)
4-Bromofluorobenzene	123 *	(80 - 120)
Toluene-d8	105	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE25-8-10

GC/MS Volatiles

Lot-Sample #...: D0G130230-028 Work Order #...: DG5VA201 Matrix.....: WATER

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE37-7-9

GC/MS Volatiles

Lot-Sample #...: D0G130230-029 **Work Order #...:** DG5VG101 **Matrix.....:** WATER
Date Sampled...: 07/12/00 12:00 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 22:38
Dilution Factor: 200

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	4000	ug/L	940
Acrylonitrile	ND	4000	ug/L	480
Acetone	ND	2000	ug/L	380
Benzene	ND	200	ug/L	42
Bromodichloromethane	ND	200	ug/L	44
Bromoform	ND	200	ug/L	64
Bromomethane	ND	400	ug/L	60
2-Butanone (MEK)	ND	1000	ug/L	190
Carbon disulfide	ND	200	ug/L	38
Carbon tetrachloride	ND	200	ug/L	38
Chlorobenzene	ND	200	ug/L	60
Chloroethane	ND	400	ug/L	50
2-Chloroethyl vinyl ether	ND	400	ug/L	26
Chloroform	ND	200	ug/L	46
Chloromethane	ND	400	ug/L	60
Dibromochloromethane	ND	200	ug/L	76
Dibromomethane	ND	200	ug/L	88
1,2-Dibromoethane (EDB)	ND	200	ug/L	72
1,2-Dichlorobenzene	ND	200	ug/L	48
1,3-Dichlorobenzene	ND	200	ug/L	52
1,4-Dichlorobenzene	ND	200	ug/L	48
Dichlorodifluoromethane	ND	400	ug/L	46
1,1-Dichloroethane	**250**	**200**	**ug/L**	**34**
1,2-Dichloroethane	ND	200	ug/L	56
1,1-Dichloroethene	ND	200	ug/L	40
cis-1,2-Dichloroethene	**8200**	**200**	**ug/L**	**52**
trans-1,2-Dichloroethene	**170**	**100**	**ug/L**	**54**
1,2-Dichloroethene (total)	**8300**	**200**	**ug/L**	**110**
1,2-Dichloropropane	ND	200	ug/L	42
cis-1,3-Dichloropropene	ND	200	ug/L	56
trans-1,3-Dichloropropene	ND	200	ug/L	84
trans-1,4-Dichloro-2-butene	ND	200	ug/L	120
1,4-Dioxane	ND	40000	ug/L	3300
Ethanol	ND	40000	ug/L	14000
Ethylbenzene	ND	200	ug/L	56
Ethyl methacrylate	ND	200	ug/L	50

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DAMES & MOORE

Client Sample ID: GW-TCE37-7-9

GC/MS Volatiles

Lot-Sample #...: D0G130230-029 **Work Order #...:** DG5VG101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	200	ug/L	50
2-Hexanone	ND	1000	ug/L	140
Iodomethane	ND	200	ug/L	46
Methylene chloride	ND	200	ug/L	180
4-Methyl-2-pentanone	ND	1000	ug/L	160
Methyl tert-butyl ether	ND	1000	ug/L	42
Styrene	ND	200	ug/L	54
1,1,2,2-Tetrachloroethane	ND	200	ug/L	62
tert-Butyl alcohol	ND	10000	ug/L	1300
Tetrachloroethene	ND	200	ug/L	72
Tetrahydrofuran	ND	1000	ug/L	64
Toluene	ND	200	ug/L	58
1,1,1-Trichloroethane	ND	200	ug/L	52
1,1,2-Trichloroethane	ND	200	ug/L	78
Trichloroethene	ND	200	ug/L	44
Trichlorofluoromethane	ND	400	ug/L	56
1,2,3-Trichloropropane	ND	200	ug/L	58
Trichlorotrifluoroethane	ND	200	ug/L	42
Vinyl acetate	ND	400	ug/L	62
Vinyl chloride	**1700**	**200**	**ug/L**	**190**
Xylenes (total)	ND	400	ug/L	190
Dichlorofluoromethane	ND	400	ug/L	24
Ethyl ether	ND	400	ug/L	48
Acetonitrile	ND	4000	ug/L	520
Chloroprene	ND	200	ug/L	44
Isopropyl ether	ND	2000	ug/L	180
Propionitrile	ND	1000	ug/L	440
Ethyl acetate	ND	1000	ug/L	50
Methacrylonitrile	ND	2000	ug/L	320
Isobutyl alcohol	ND	10000	ug/L	2200
Methyl methacrylate	ND	200	ug/L	60
n-Butanol	ND	10000	ug/L	1500
2-Nitropropane	ND	400	ug/L	100
1,1,1,2-Tetrachloroethane	ND	200	ug/L	44
Cyclohexanone	ND	4000	ug/L	2300
Isopropylbenzene	ND	200	ug/L	62
1,2-Dibromo-3-chloropropane (DBCP)	ND	400	ug/L	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(82 - 122)
1,2-Dichloroethane-d4	100	(78 - 123)
4-Bromofluorobenzene	98	(80 - 120)
Toluene-d8	116	(82 - 122)

DAMES & MOORE

Client Sample ID: GW-TCE39-10-11.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-030 **Work Order #...:** DG5VH101 **Matrix.....:** WATER
Date Sampled...: 07/12/00 12:20 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 23:03
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	ND	10	ug/L	1.9
Benzene	ND	1.0	ug/L	0.21
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.25
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	**11**	**1.0**	**ug/L**	**0.17**
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	**0.38 J**	**1.0**	**ug/L**	**0.20**
cis-1,2-Dichloroethene	**12**	**1.0**	**ug/L**	**0.26**
trans-1,2-Dichloroethene	**1.0**	**0.50**	**ug/L**	**0.27**
1,2-Dichloroethene (total)	**13**	**1.0**	**ug/L**	**0.53**
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	ND	1.0	ug/L	0.28
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: GW-TCE39-10-11.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-030 **Work Order #...:** DG5VH101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	1.0	ug/L	0.25
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.89
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	**3.4**	**1.0**	**ug/L**	**0.26**
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	**6.9**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	**1.2**	**1.0**	**ug/L**	**0.95**
Xylenes (total)	ND	2.0	ug/L	0.95
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	ND	2.0	ug/L	0.24
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	ND	1.0	ug/L	0.31
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(82 - 122)
1,2-Dichloroethane-d4	91	(78 - 123)
4-Bromofluorobenzene	91	(80 - 120)
Toluene-d8	111	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE39-10-11.5

GC/MS Volatiles

Lot-Sample #...: D0G130230-030 Work Order #...: DG5VH101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE34-10-12

GC/MS Volatiles

Lot-Sample #...: D0G130230-031 Work Order #...: DG5VM101 Matrix.....: WATER
Date Sampled...: 07/12/00 12:40 Date Received..: 07/13/00
Prep Date.....: 07/21/00 Analysis Date..: 07/21/00
Prep Batch #...: 0204132 Analysis Time..: 23:27
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	ND	10	ug/L	1.9
Benzene	**0.23 J**	**1.0**	**ug/L**	**0.21**
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	**0.72 J**	**1.0**	**ug/L**	**0.30**
Chloroethane	**1.5 J**	**2.0**	**ug/L**	**0.25**
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	**12**	**1.0**	**ug/L**	**0.17**
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	**1.2**	**1.0**	**ug/L**	**0.20**
cis-1,2-Dichloroethene	**9.3**	**1.0**	**ug/L**	**0.26**
trans-1,2-Dichloroethene	**1.4**	**0.50**	**ug/L**	**0.27**
1,2-Dichloroethene (total)	**11**	**1.0**	**ug/L**	**0.53**
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	**1.4**	**1.0**	**ug/L**	**0.28**
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: GW-TCE34-10-12

GC/MS Volatiles

Lot-Sample #...: D0G130230-031 **Work Order #...:** DG5VM101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	**0.86 J**	**1.0**	**ug/L**	**0.25**
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.89
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	**9.2**	**1.0**	**ug/L**	**0.26**
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	**9.8**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	ND	1.0	ug/L	0.95
Xylenes (total)	**2.2**	**2.0**	**ug/L**	**0.95**
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	ND	2.0	ug/L	0.24
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	**1.2**	**1.0**	**ug/L**	**0.31**
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(82 - 122)
1,2-Dichloroethane-d4	93	(78 - 123)
4-Bromofluorobenzene	100	(80 - 120)
Toluene-d8	107	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE34-10-12

GC/MS Volatiles

Lot-Sample #...: D0G130230-031 Work Order #...: DG5VM101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE300

GC/MS Volatiles

Lot-Sample #...: D0G130230-032 **Work Order #...:** DG5VN101 **Matrix.....:** WATER
Date Sampled...: 07/12/00 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 23:51
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	ND	10	ug/L	1.9
Benzene	ND	1.0	ug/L	0.21
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.25
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	**4.8**	**1.0**	**ug/L**	**0.17**
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	**0.24 J**	**1.0**	**ug/L**	**0.20**
cis-1,2-Dichloroethene	**5.8**	**1.0**	**ug/L**	**0.26**
trans-1,2-Dichloroethene	**1.0**	**0.50**	**ug/L**	**0.27**
1,2-Dichloroethene (total)	**6.8**	**1.0**	**ug/L**	**0.53**
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	ND	1.0	ug/L	0.28
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: GW-TCE300

GC/MS Volatiles

Lot-Sample #...: D0G130230-032 **Work Order #...:** DG5VN101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	1.0	ug/L	0.25
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.89
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	**1.7**	**1.0**	**ug/L**	**0.26**
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	**9.1**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	ND	1.0	ug/L	0.95
Xylenes (total)	ND	2.0	ug/L	0.95
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	ND	2.0	ug/L	0.24
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	ND	1.0	ug/L	0.31
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(82 - 122)
1,2-Dichloroethane-d4	90	(78 - 123)
4-Bromofluorobenzene	93	(80 - 120)
Toluene-d8	113	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE300

GC/MS Volatiles

Lot-Sample #...: D0G130230-032 Work Order #...: DG5VN101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: GW-TCE400

GC/MS Volatiles

Lot-Sample #...: D0G130230-033 **Work Order #...:** DG5VQ101 **Matrix.....:** WATER
Date Sampled...: 07/12/00 **Date Received..:** 07/13/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0204132 **Analysis Time..:** 00:14
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	ND	10	ug/L	1.9
Benzene	ND	1.0	ug/L	0.21
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	**0.45 J**	**1.0**	**ug/L**	**0.30**
Chloroethane	**0.60 J**	**2.0**	**ug/L**	**0.25**
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	**5.3**	**1.0**	**ug/L**	**0.17**
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	**0.55 J**	**1.0**	**ug/L**	**0.20**
cis-1,2-Dichloroethene	**12**	**1.0**	**ug/L**	**0.26**
trans-1,2-Dichloroethene	**1.5**	**0.50**	**ug/L**	**0.27**
1,2-Dichloroethene (total)	**14**	**1.0**	**ug/L**	**0.53**
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	**0.48 J**	**1.0**	**ug/L**	**0.28**
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: GW-TCE400

GC/MS Volatiles

Lot-Sample #...: D0G130230-033 **Work Order #...:** DG5VQ101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	**0.32 J**	**1.0**	**ug/L**	**0.25**
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.89
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	**3.3**	**1.0**	**ug/L**	**0.26**
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	**6.0**	**1.0**	**ug/L**	**0.22**
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	ND	1.0	ug/L	0.95
Xylenes (total)	ND	2.0	ug/L	0.95
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	ND	2.0	ug/L	0.24
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	**0.38 J**	**1.0**	**ug/L**	**0.31**
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(82 - 122)
1,2-Dichloroethane-d4	92	(78 - 123)
4-Bromofluorobenzene	99	(80 - 120)
Toluene-d8	108	(82 - 122)

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DAMES & MOORE

Client Sample ID: GW-TCE400

GC/MS Volatiles

Lot-Sample #...: D0G130230-033 Work Order #...: DG5VQ101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: TRIPBLANK

GC/MS Volatiles

Lot-Sample #...: D0G130230-034 **Work Order #...:** DG5VR101 **Matrix.....:** WATER
Date Sampled...: 07/12/00 **Date Received..:** 07/13/00
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 18:04
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	20	ug/L	4.7
Acrylonitrile	ND	20	ug/L	2.4
Acetone	**39**	**10**	**ug/L**	**1.9**
Benzene	ND	1.0	ug/L	0.21
Bromodichloromethane	ND	1.0	ug/L	0.22
Bromoform	ND	1.0	ug/L	0.32
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	0.93
Carbon disulfide	ND	1.0	ug/L	0.19
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.25
2-Chloroethyl vinyl ether	ND	2.0	ug/L	0.13
Chloroform	ND	1.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.38
Dibromomethane	ND	1.0	ug/L	0.44
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.36
1,2-Dichlorobenzene	ND	1.0	ug/L	0.24
1,3-Dichlorobenzene	ND	1.0	ug/L	0.26
1,4-Dichlorobenzene	ND	1.0	ug/L	0.24
Dichlorodifluoromethane	ND	2.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.17
1,2-Dichloroethane	ND	1.0	ug/L	0.28
1,1-Dichloroethene	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.26
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.27
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.53
1,2-Dichloropropane	ND	1.0	ug/L	0.21
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.28
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.42
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.60
1,4-Dioxane	ND	200	ug/L	17
Ethanol	ND	200	ug/L	72
Ethylbenzene	ND	1.0	ug/L	0.28
Ethyl methacrylate	ND	1.0	ug/L	0.25

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DAMES & MOORE

Client Sample ID: TRIPBLANK

GC/MS Volatiles

Lot-Sample #...: D0G130230-034 **Work Order #...:** DG5VR101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexane	ND	1.0	ug/L	0.25
2-Hexanone	ND	5.0	ug/L	0.70
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	**20**	**1.0**	**ug/L**	**0.89**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.79
Methyl tert-butyl ether	ND	5.0	ug/L	0.21
Styrene	ND	1.0	ug/L	0.27
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
tert-Butyl alcohol	ND	50	ug/L	6.3
Tetrachloroethene	ND	1.0	ug/L	0.36
Tetrahydrofuran	ND	5.0	ug/L	0.32
Toluene	ND	1.0	ug/L	0.29
1,1,1-Trichloroethane	ND	1.0	ug/L	0.26
1,1,2-Trichloroethane	ND	1.0	ug/L	0.39
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	2.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.29
Trichlorotrifluoroethane	ND	1.0	ug/L	0.21
Vinyl acetate	ND	2.0	ug/L	0.31
Vinyl chloride	ND	1.0	ug/L	0.95
Xylenes (total)	ND	2.0	ug/L	0.95
Dichlorofluoromethane	ND	2.0	ug/L	0.12
Ethyl ether	**1.0 J**	**2.0**	**ug/L**	**0.24**
Acetonitrile	ND	20	ug/L	2.6
Chloroprene	ND	1.0	ug/L	0.22
Isopropyl ether	ND	10	ug/L	0.91
Propionitrile	ND	5.0	ug/L	2.2
Ethyl acetate	ND	5.0	ug/L	0.25
Methacrylonitrile	ND	10	ug/L	1.6
Isobutyl alcohol	ND	50	ug/L	11
Methyl methacrylate	ND	1.0	ug/L	0.30
n-Butanol	ND	50	ug/L	7.7
2-Nitropropane	ND	2.0	ug/L	0.51
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Cyclohexanone	ND	20	ug/L	12
Isopropylbenzene	ND	1.0	ug/L	0.31
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	93	(80 - 120)
Toluene-d8	108	(82 - 122)

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DAMES & MOORE

Client Sample ID: TRIPBLANK

GC/MS Volatiles

Lot-Sample #...: D0G130230-034 Work Order #...: DG5VR101 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE34-7-8

GC Semivolatiles

Lot-Sample #...: D0G130230-016 **Work Order #...:** DG5QE102 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 11:30 **Date Received..:** 07/13/00
Prep Date.....: 07/14/00 **Analysis Date..:** 07/18/00
Prep Batch #...: 0196147 **Analysis Time..:** 03:27
Dilution Factor: 1
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	12
Aroclor 1221	ND	37	ug/kg	9.3
Aroclor 1232	ND	37	ug/kg	3.8
Aroclor 1242	ND	37	ug/kg	3.7
Aroclor 1248	**290**	**37**	**ug/kg**	**4.7**
Aroclor 1254	ND	37	ug/kg	5.2
Aroclor 1260	ND	37	ug/kg	20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	52 *	(62 - 145)
Tetrachloro-m-xylene	57 *	(60 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

DAMES & MOORE

Client Sample ID: SO-TCE33-7-8

GC Semivolatiles

Lot-Sample #...: D0G130230-021 Work Order #...: DG5QP101 Matrix.....: SOLID
Date Sampled...: 07/12/00 15:50 Date Received..: 07/13/00
Prep Date.....: 07/14/00 Analysis Date..: 07/18/00
Prep Batch #...: 0196147 Analysis Time..: 04:49
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	12
Aroclor 1221	ND	37	ug/kg	9.3
Aroclor 1232	ND	37	ug/kg	3.8
Aroclor 1242	ND	37	ug/kg	3.7
Aroclor 1248	**14 J**	**37**	**ug/kg**	**4.7**
Aroclor 1254	ND	37	ug/kg	5.2
Aroclor 1260	ND	37	ug/kg	20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	71	(62 - 145)
Tetrachloro-m-xylene	71	(60 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

DAMES & MOORE

Client Sample ID: SO-TCE39-10-11

GC Semivolatiles

Lot-Sample #...: D0G130230-024 Work Order #...: DG5QX102 Matrix.....: SOLID
Date Sampled...: 07/12/00 16:45 Date Received..: 07/13/00
Prep Date.....: 07/14/00 Analysis Date..: 07/18/00
Prep Batch #...: 0196147 Analysis Time..: 05:16
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	12
Aroclor 1221	ND	37	ug/kg	9.3
Aroclor 1232	ND	37	ug/kg	3.8
Aroclor 1242	ND	37	ug/kg	3.7
Aroclor 1248	ND	37	ug/kg	4.7
Aroclor 1254	ND	37	ug/kg	5.2
Aroclor 1260	ND	37	ug/kg	20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	48 *	(62 - 145)
Tetrachloro-m-xylene	127	(60 - 130)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

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DAMES & MOORE

Client Sample ID: SO-TCE15-7.0-7.5

General Chemistry

Lot-Sample #...: D0G130230-001 **Work Order #...:** DG5LJ **Matrix.....:** SOLID
Date Sampled...: 07/11/00 09:10 **Date Received..:** 07/12/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**10.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/26/00**	**0210541**

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE20-8.0-8.5

General Chemistry

Lot-Sample #...: D0G130230-004 Work Order #...: DG5M1 Matrix.....: SOLID
Date Sampled...: 07/11/00 11:05 Date Received..: 07/12/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.0	0.10	%	MCAWW 160.3 MOD	07/26/00	0210541

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE19-6.0-6.5

General Chemistry

Lot-Sample #...: D0G130230-005 Work Order #...: DG5MF Matrix.....: SOLID
Date Sampled...: 07/11/00 16:50 Date Received..: 07/12/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.6	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543
	Dilution Factor: 1			Analysis Time..: 18:00	MDL.....:	

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DAMES & MOORE

Client Sample ID: SO-TCE25-6-6.5

General Chemistry

Lot-Sample #...: D0G130230-013 Work Order #...: DG5PP Matrix.....: SOLID
Date Sampled...: 07/12/00 08:10 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.5	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

DAMES & MOORE

Client Sample ID: SO-TCE37-6-6.5

General Chemistry

Lot-Sample #...: D0G130230-014 Work Order #...: DG5Q4 Matrix.....: SOLID
Date Sampled...: 07/12/00 08:55 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.7	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE34-9-9.5

General Chemistry

Lot-Sample #...: D0G130230-015 **Work Order #...:** DG5Q9 **Matrix.....:** SOLID
Date Sampled...: 07/12/00 11:15 **Date Received..:** 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/26/00**	**0210543**

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE34-7-8

General Chemistry

Lot-Sample #...: D0G130230-016 **Work Order #...:** DG5QE **Matrix.....:** SOLID
Date Sampled...: 07/12/00 11:30 **Date Received..:** 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/26/00**	**0210543**

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE38-9-9.5

General Chemistry

Lot-Sample #...: D0G130230-018 Work Order #...: DG5QL Matrix.....: SOLID
Date Sampled...: 07/12/00 14:30 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.1	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE29-5-5.5

General Chemistry

Lot-Sample #...: D0G130230-019 Work Order #...: DG5QM Matrix.....: SOLID
Date Sampled...: 07/12/00 15:00 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.3	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE33-5-5.5

General Chemistry

Lot-Sample #...: D0G130230-020 Work Order #...: DG5QN Matrix.....: SOLID
Date Sampled...: 07/12/00 15:40 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.6	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE33-7-8

General Chemistry

Lot-Sample #...: D0G130230-021 **Work Order #...:** DG5QP **Matrix.....:** SOLID
Date Sampled...: 07/12/00 15:50 **Date Received..:** 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**07/26/00**	**0210543**

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE39-5-6

General Chemistry

Lot-Sample #...: D0G130230-022 Work Order #...: DG5QR Matrix.....: SOLID
Date Sampled...: 07/12/00 16:30 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.3	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

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DAMES & MOORE

Client Sample ID: SO-TCE39-10-11

General Chemistry

Lot-Sample #...: D0G130230-024 Work Order #...: DG5QX Matrix.....: SOLID
Date Sampled...: 07/12/00 16:45 Date Received..: 07/13/00

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1 Analysis Time..: 18:00 MDL.....:

QC DATA ASSOCIATION SUMMARY

D0G130230

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210541	0210252
004	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210541	0210252
005	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
006	WATER	SW846 8260B		0204132	0204032
007	WATER	SW846 8260B		0204132	0204032
008	WATER	SW846 8260B		0204132	0204032
	WATER	SW846 8260B		0205128	0205027
009	WATER	SW846 8260B		0204132	0204032
010	WATER	SW846 8260B		0204132	0204032
011	WATER	SW846 8260B		0204132	0204032
012	WATER	SW846 8260B		0204132	0204032
013	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
014	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
015	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
016	SOLID	SW846 8082		0196147	0196043
	SOLID	MCAWW 160.3 MOD		0210543	0210255
018	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
019	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D0G130230

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
020	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
021	SOLID	SW846 8082		0196147	0196043
	SOLID	MCAWW 160.3 MOD		0210543	0210255
022	SOLID	SW846 8260B		0206476	0206237
	SOLID	MCAWW 160.3 MOD		0210543	0210255
024	SOLID	SW846 8082		0196147	0196043
	SOLID	MCAWW 160.3 MOD		0210543	0210255
025	WATER	SW846 8260B		0204132	0204032
026	WATER	SW846 8260B		0204132	0204032
027	WATER	SW846 8260B		0204132	0204032
028	WATER	SW846 8260B		0204132	0204032
	WATER	SW846 8260B		0205128	0205027
029	WATER	SW846 8260B		0204132	0204032
030	WATER	SW846 8260B		0204132	0204032
031	WATER	SW846 8260B		0204132	0204032
032	WATER	SW846 8260B		0204132	0204032
033	WATER	SW846 8260B		0204132	0204032
034	WATER	SW846 8260B		0205128	0205027

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGNG6102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D0G230000-128 DGNG6103-LCSD
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 15:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**86**	**(80 - 123)**			**SW846 8260B**
	92	**(80 - 123)**	**6.7**	**(0-20)**	**SW846 8260B**
Benzene	**92**	**(80 - 120)**			**SW846 8260B**
	98	**(80 - 120)**	**6.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**89**	**(80 - 120)**			**SW846 8260B**
	94	**(80 - 120)**	**6.0**	**(0-20)**	**SW846 8260B**
Toluene	**93**	**(77 - 117)**			**SW846 8260B**
	99	**(77 - 117)**	**6.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**94**	**(84 - 124)**			**SW846 8260B**
	100	**(84 - 124)**	**6.2**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
	104	(82 - 122)
1,2-Dichloroethane-d4	94	(78 - 123)
	95	(78 - 123)
4-Bromofluorobenzene	94	(80 - 120)
	99	(80 - 120)
Toluene-d8	109	(82 - 122)
	111	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGN7J102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D0G220000-132 DGN7J103-LCSD
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 16:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**101**	**(80 - 123)**			**SW846 8260B**
	102	**(80 - 123)**	**0.87**	**(0-20)**	**SW846 8260B**
Benzene	**103**	**(80 - 120)**			**SW846 8260B**
	106	**(80 - 120)**	**2.8**	**(0-20)**	**SW846 8260B**
Trichloroethene	**106**	**(84 - 124)**			**SW846 8260B**
	108	**(84 - 124)**	**2.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**97**	**(80 - 120)**			**SW846 8260B**
	99	**(80 - 120)**	**2.2**	**(0-20)**	**SW846 8260B**
Toluene	**106**	**(77 - 117)**			**SW846 8260B**
	106	**(77 - 117)**	**0.70**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(82 - 122)
	108	(82 - 122)
1,2-Dichloroethane-d4	95	(78 - 123)
	103	(78 - 123)
4-Bromofluorobenzene	98	(80 - 120)
	101	(80 - 120)
Toluene-d8	111	(82 - 122)
	114	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGPG1102-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D0G240000-476 DGPG1103-LCSD
Prep Date.....: 07/13/00 **Analysis Date..:** 07/20/00
Prep Batch #...: 0206476 **Analysis Time..:** 17:58
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**76**	**(68 - 119)**			**SW846 8260B**
	79	**(68 - 119)**	**4.6**	**(0-30)**	**SW846 8260B**
Benzene	**82**	**(79 - 119)**			**SW846 8260B**
	85	**(79 - 119)**	**3.5**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**81**	**(78 - 118)**			**SW846 8260B**
	84	**(78 - 118)**	**3.4**	**(0-30)**	**SW846 8260B**
Trichloroethene	**85**	**(84 - 124)**			**SW846 8260B**
	88	**(84 - 124)**	**3.2**	**(0-30)**	**SW846 8260B**
Toluene	**78**	**(77 - 116)**			**SW846 8260B**
	81	**(77 - 116)**	**2.8**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(69 - 121)
	94	(69 - 121)
1,2-Dichloroethane-d4	84	(60 - 117)
	88	(60 - 117)
4-Bromofluorobenzene	87	(48 - 129)
	90	(48 - 129)
Toluene-d8	83	(57 - 138)
	83	(57 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGNG6102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D0G230000-128 DGNG6103-LCSD
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 15:03
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.61**	**ug/L**	**86**		**SW846 8260B**
	10.0	**9.21**	**ug/L**	**92**	**6.7**	**SW846 8260B**
Benzene	**10.0**	**9.17**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.80**	**ug/L**	**98**	**6.7**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.88**	**ug/L**	**89**		**SW846 8260B**
	10.0	**9.43**	**ug/L**	**94**	**6.0**	**SW846 8260B**
Toluene	**10.0**	**9.29**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.87**	**ug/L**	**99**	**6.0**	**SW846 8260B**
Trichloroethene	**10.0**	**9.36**	**ug/L**	**94**		**SW846 8260B**
	10.0	**9.95**	**ug/L**	**100**	**6.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(82 - 122)
	104	(82 - 122)
1,2-Dichloroethane-d4	94	(78 - 123)
	95	(78 - 123)
4-Bromofluorobenzene	94	(80 - 120)
	99	(80 - 120)
Toluene-d8	109	(82 - 122)
	111	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGN7J102-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D0G220000-132 DGN7J103-LCSD
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 16:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**0.87**	**SW846 8260B**
Benzene	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	10.0	**10.6**	**ug/L**	**106**	**2.8**	**SW846 8260B**
Trichloroethene	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	10.0	**10.8**	**ug/L**	**108**	**2.4**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.73**	**ug/L**	**97**		**SW846 8260B**
	10.0	**9.95**	**ug/L**	**99**	**2.2**	**SW846 8260B**
Toluene	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	10.0	**10.6**	**ug/L**	**106**	**0.70**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(82 - 122)
	108	(82 - 122)
1,2-Dichloroethane-d4	95	(78 - 123)
	103	(78 - 123)
4-Bromofluorobenzene	98	(80 - 120)
	101	(80 - 120)
Toluene-d8	111	(82 - 122)
	114	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGPG1102-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D0G240000-476 DGPG1103-LCSD
Prep Date.....: 07/13/00 **Analysis Date..:** 07/20/00
Prep Batch #...: 0206476 **Analysis Time..:** 17:58
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**2000**	**1510**	**ug/kg**	**76**		**SW846 8260B**
	2000	**1580**	**ug/kg**	**79**	**4.6**	**SW846 8260B**
Benzene	**2000**	**1640**	**ug/kg**	**82**		**SW846 8260B**
	2000	**1700**	**ug/kg**	**85**	**3.5**	**SW846 8260B**
Chlorobenzene	**2000**	**1630**	**ug/kg**	**81**		**SW846 8260B**
	2000	**1690**	**ug/kg**	**84**	**3.4**	**SW846 8260B**
Trichloroethene	**2000**	**1700**	**ug/kg**	**85**		**SW846 8260B**
	2000	**1760**	**ug/kg**	**88**	**3.2**	**SW846 8260B**
Toluene	**2000**	**1570**	**ug/kg**	**78**		**SW846 8260B**
	2000	**1610**	**ug/kg**	**81**	**2.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(69 - 121)
	94	(69 - 121)
1,2-Dichloroethane-d4	84	(60 - 117)
	88	(60 - 117)
4-Bromofluorobenzene	87	(48 - 129)
	90	(48 - 129)
Toluene-d8	83	(57 - 138)
	83	(57 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGNG6101 **Matrix.....:** WATER
MB Lot-Sample #: D0G230000-128

Prep Date.....: 07/22/00 **Analysis Time..:** 15:51
Analysis Date..: 07/22/00 **Prep Batch #...:** 0205128
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethanol	ND	200	ug/L	SW846 8260B
Ethyl acetate	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl ether	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGNG6101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Isopropyl ether	ND	10	ug/L	SW846 8260B
Methacrylonitrile	ND	10	ug/L	SW846 8260B
tert-Butyl alcohol	ND	50	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Nitropropane	ND	2.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
n-Butanol	ND	50	ug/L	SW846 8260B
Trichlorotrifluoroethane	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Hexane	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
1,2-Dichloroethane-d4	95	(78 - 123)
4-Bromofluorobenzene	98	(80 - 120)
Toluene-d8	109	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGN7J101 **Matrix.....:** WATER
MB Lot-Sample #: D0G220000-132
Prep Date.....: 07/21/00 **Analysis Time..:** 17:02
Analysis Date..: 07/21/00 **Prep Batch #...:** 0204132
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	2.0	ug/L	SW846 8260B
Cyclohexanone	ND	20	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethanol	ND	200	ug/L	SW846 8260B
Ethyl acetate	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl ether	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGN7J101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	50	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Isopropyl ether	ND	10	ug/L	SW846 8260B
Methacrylonitrile	ND	10	ug/L	SW846 8260B
tert-Butyl alcohol	ND	50	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Nitropropane	ND	2.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
n-Butanol	ND	50	ug/L	SW846 8260B
Trichlorotrifluoroethane	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Hexane	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
1,2-Dichloroethane-d4	97	(78 - 123)
4-Bromofluorobenzene	99	(80 - 120)
Toluene-d8	111	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGPG1101 **Matrix.....:** SOLID
MB Lot-Sample #: D0G240000-476
Prep Date.....: 07/13/00 **Analysis Time..:** 18:45
Analysis Date..: 07/20/00 **Prep Batch #...:** 0206476
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**600 J**	**1000**	**ug/kg**	**SW846 8260B**
Acetonitrile	ND	5000	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Acrolein	ND	5000	ug/kg	SW846 8260B
Acrylonitrile	ND	5000	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Chloroprene	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
Cyclohexanone	ND	12000	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	120	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	120	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	250	ug/kg	SW846 8260B
Dichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
1,4-Dioxane	ND	25000	ug/kg	SW846 8260B
Ethanol	ND	25000	ug/kg	SW846 8260B
Ethyl acetate	ND	500	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B
Ethyl ether	ND	500	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DGPG1101 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Hexanone	ND	1000	ug/kg	SW846 8260B
Iodomethane	ND	250	ug/kg	SW846 8260B
Ethyl methacrylate	ND	250	ug/kg	SW846 8260B
Isobutyl alcohol	ND	10000	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
Isopropyl ether	ND	2500	ug/kg	SW846 8260B
Methacrylonitrile	ND	2500	ug/kg	SW846 8260B
tert-Butyl alcohol	ND	10000	ug/kg	SW846 8260B
Methylene chloride	**120 J**	**250**	**ug/kg**	**SW846 8260B**
Methyl methacrylate	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1000	ug/kg	SW846 8260B
2-Nitropropane	ND	500	ug/kg	SW846 8260B
Propionitrile	ND	1000	ug/kg	SW846 8260B
Styrene	ND	250	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Tetrahydrofuran	ND	1000	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
Vinyl acetate	ND	500	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B
n-Butanol	ND	10000	ug/kg	SW846 8260B
Trichlorotrifluoroethane	ND	1000	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
2-Butanone (MEK)	**810 J**	**1000**	**ug/kg**	**SW846 8260B**
Hexane	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(69 - 121)
1,2-Dichloroethane-d4	89	(60 - 117)
4-Bromofluorobenzene	91	(48 - 129)
Toluene-d8	83	(57 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5LJ103-MS **Matrix.....:** SOLID
MS Lot-Sample #: D0G130230-001 DG5LJ104-MSD
Date Sampled...: 07/11/00 09:10 **Date Received..:** 07/12/00
Prep Date.....: 07/13/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0206476 **Analysis Time..:** 16:55
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**0.0 DIL,N**	**(68 - 119)**			**SW846 8260B**
	0.0 DIL,N	**(68 - 119)**	**0.0**	**(0-30)**	**SW846 8260B**
Benzene	**0.0 DIL,N**	**(79 - 119)**			**SW846 8260B**
	0.0 DIL,N	**(79 - 119)**	**0.0**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**0.0 DIL,N**	**(78 - 118)**			**SW846 8260B**
	0.0 DIL,N	**(78 - 118)**	**0.0**	**(0-30)**	**SW846 8260B**
Trichloroethene	**0.0 DIL,N**	**(84 - 124)**			**SW846 8260B**
	0.0 DIL,N	**(84 - 124)**	**0.0**	**(0-30)**	**SW846 8260B**
Toluene	**0.0 DIL,N**	**(77 - 116)**			**SW846 8260B**
	0.0 DIL,N	**(77 - 116)**	**0.0**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	DIL,NC	(69 - 121)
	DIL,NC	(69 - 121)
1,2-Dichloroethane-d4	DIL,NC	(60 - 117)
	DIL,NC	(60 - 117)
4-Bromofluorobenzene	DIL,NC	(48 - 129)
	DIL,NC	(48 - 129)
Toluene-d8	DIL,NC	(57 - 138)
	DIL,NC	(57 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5N5102-MS **Matrix.....:** WATER
MS Lot-Sample #: D0G130230-008 DG5N5103-MSD
Date Sampled...: 07/11/00 11:55 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 18:38
Dilution Factor: 200

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**85**	**(80 - 123)**			**SW846 8260B**
	88	**(80 - 123)**	**4.2**	**(0-20)**	**SW846 8260B**
Benzene	**93**	**(80 - 120)**			**SW846 8260B**
	98	**(80 - 120)**	**5.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**90**	**(80 - 120)**			**SW846 8260B**
	94	**(80 - 120)**	**4.2**	**(0-20)**	**SW846 8260B**
Toluene	**95**	**(77 - 117)**			**SW846 8260B**
	98	**(77 - 117)**	**3.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**86**	**(84 - 124)**			**SW846 8260B**
	92	**(84 - 124)**	**0.71**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
	104	(82 - 122)
1,2-Dichloroethane-d4	100	(78 - 123)
	97	(78 - 123)
4-Bromofluorobenzene	103	(80 - 120)
	100	(80 - 120)
Toluene-d8	110	(82 - 122)
	110	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5VA102-MS **Matrix.....:** WATER
MS Lot-Sample #: D0G130230-028 DG5VA103-MSD
Date Sampled...: 07/12/00 11:50 **Date Received..:** 07/13/00
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 16:52
Dilution Factor: 25

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**81**	**(80 - 123)**			**SW846 8260B**
	82	**(80 - 123)**	**0.93**	**(0-20)**	**SW846 8260B**
Benzene	**91**	**(80 - 120)**			**SW846 8260B**
	92	**(80 - 120)**	**1.5**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**90**	**(80 - 120)**			**SW846 8260B**
	92	**(80 - 120)**	**2.6**	**(0-20)**	**SW846 8260B**
Toluene	**87**	**(77 - 117)**			**SW846 8260B**
	89	**(77 - 117)**	**2.3**	**(0-20)**	**SW846 8260B**
Trichloroethene	**101**	**(84 - 124)**			**SW846 8260B**
	99	**(84 - 124)**	**0.23**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(82 - 122)
	104	(82 - 122)
1,2-Dichloroethane-d4	98	(78 - 123)
	96	(78 - 123)
4-Bromofluorobenzene	107	(80 - 120)
	109	(80 - 120)
Toluene-d8	105	(82 - 122)
	106	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 Work Order #...: DG5LJ103-MS Matrix.....: SOLID
MS Lot-Sample #: D0G130230-001 DG5LJ104-MSD
Date Sampled...: 07/11/00 09:10 Date Received..: 07/12/00
Prep Date.....: 07/13/00 Analysis Date..: 07/21/00
Prep Batch #...: 0206476 Analysis Time..: 16:55
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	0.0		ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,NC						
	ND	0.0		ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,NC						
Benzene	ND	0.0		ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,NC						
	ND	0.0		ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,NC						
Chlorobenzene	ND	0.0		ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,NC						
	ND	0.0		ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,NC						
Trichloroethene	82000	0.0		ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,NC						
	82000	0.0		ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,NC						
Toluene	ND	0.0		ug/kg	0.0		SW846 8260B
	Qualifiers: DIL,NC						
	ND	0.0		ug/kg	0.0	0.0	SW846 8260B
	Qualifiers: DIL,NC						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	DIL,NC	(69 - 121)
	DIL,NC	(69 - 121)
1,2-Dichloroethane-d4	DIL,NC	(60 - 117)
	DIL,NC	(60 - 117)
4-Bromofluorobenzene	DIL,NC	(48 - 129)
	DIL,NC	(48 - 129)
Toluene-d8	DIL,NC	(57 - 138)
	DIL,NC	(57 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5N5102-MS **Matrix.....:** WATER
MS Lot-Sample #: D0G130230-008 DG5N5103-MSD
Date Sampled...: 07/11/00 11:55 **Date Received..:** 07/12/00
Prep Date.....: 07/21/00 **Analysis Date..:** 07/21/00
Prep Batch #...: 0204132 **Analysis Time..:** 18:38
Dilution Factor: 200

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**2000**	**1690**	**ug/L**	**85**		**SW846 8260B**
	ND	**2000**	**1770**	**ug/L**	**88**	**4.2**	**SW846 8260B**
Benzene	**ND**	**2000**	**1860**	**ug/L**	**93**		**SW846 8260B**
	ND	**2000**	**1950**	**ug/L**	**98**	**5.0**	**SW846 8260B**
Chlorobenzene	**ND**	**2000**	**1810**	**ug/L**	**90**		**SW846 8260B**
	ND	**2000**	**1880**	**ug/L**	**94**	**4.2**	**SW846 8260B**
Toluene	**ND**	**2000**	**1890**	**ug/L**	**95**		**SW846 8260B**
	ND	**2000**	**1950**	**ug/L**	**98**	**3.2**	**SW846 8260B**
Trichloroethene	**16000**	**2000**	**17800**	**ug/L**	**86**		**SW846 8260B**
	16000	**2000**	**17900**	**ug/L**	**92**	**0.71**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(82 - 122)
	104	(82 - 122)
1,2-Dichloroethane-d4	100	(78 - 123)
	97	(78 - 123)
4-Bromofluorobenzene	103	(80 - 120)
	100	(80 - 120)
Toluene-d8	110	(82 - 122)
	110	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5VA102-MS **Matrix.....:** WATER
MS Lot-Sample #: D0G130230-028 DG5VA103-MSD
Date Sampled...: 07/12/00 11:50 **Date Received..:** 07/13/00
Prep Date.....: 07/22/00 **Analysis Date..:** 07/22/00
Prep Batch #...: 0205128 **Analysis Time..:** 16:52
Dilution Factor: 25

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**33**	**250**	**234**	**ug/L**	**81**		**SW846 8260B**
	33	**250**	**236**	**ug/L**	**82**	**0.93**	**SW846 8260B**
Benzene	**ND**	**250**	**226**	**ug/L**	**91**		**SW846 8260B**
	ND	**250**	**230**	**ug/L**	**92**	**1.5**	**SW846 8260B**
Chlorobenzene	**ND**	**250**	**225**	**ug/L**	**90**		**SW846 8260B**
	ND	**250**	**231**	**ug/L**	**92**	**2.6**	**SW846 8260B**
Toluene	**ND**	**250**	**218**	**ug/L**	**87**		**SW846 8260B**
	ND	**250**	**223**	**ug/L**	**89**	**2.3**	**SW846 8260B**
Trichloroethene	**1100**	**250**	**1300**	**ug/L**	**101**		**SW846 8260B**
	1100	**250**	**1300**	**ug/L**	**99**	**0.23**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(82 - 122)
	104	(82 - 122)
1,2-Dichloroethane-d4	98	(78 - 123)
	96	(78 - 123)
4-Bromofluorobenzene	107	(80 - 120)
	109	(80 - 120)
Toluene-d8	105	(82 - 122)
	106	(82 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D0G130230 **Work Order #...:** DG702102-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D0G140000-147 DG702103-LCSD
Prep Date.....: 07/14/00 **Analysis Date..:** 07/18/00
Prep Batch #...: 0196147 **Analysis Time..:** 00:16
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**89**	**(65 - 130)**			**SW846 8082**
	106	**(65 - 130)**	**18**	**(0-23)**	**SW846 8082**
Aroclor 1260	**100**	**(66 - 128)**			**SW846 8082**
	108	**(66 - 128)**	**7.5**	**(0-23)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	109	(62 - 145)
	108	(62 - 145)
Tetrachloro-m-xylene	96	(60 - 130)
	106	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D0G130230 **Work Order #...:** DG702102-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D0G140000-147 DG702103-LCSD
Prep Date.....: 07/14/00 **Analysis Date..:** 07/18/00
Prep Batch #...: 0196147 **Analysis Time..:** 00:16
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**66.7**	**59.2**	**ug/kg**	**89**		**SW846 8082**
	66.7	**70.7**	**ug/kg**	**106**	**18**	**SW846 8082**
Aroclor 1260	**66.7**	**66.9**	**ug/kg**	**100**		**SW846 8082**
	66.7	**72.2**	**ug/kg**	**108**	**7.5**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	109	(62 - 145)
	108	(62 - 145)
Tetrachloro-m-xylene	96	(60 - 130)
	106	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D0G130230 **Work Order #...:** DG702101 **Matrix.....:** SOLID
MB Lot-Sample #: D0G140000-147
Prep Date.....: 07/14/00 **Analysis Time..:** 23:48
Analysis Date..: 07/17/00 **Prep Batch #...:** 0196147
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	108	(62 - 145)
Tetrachloro-m-xylene	92	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5QE103-MS **Matrix.....:** SOLID
MS Lot-Sample #: D0G130230-016 DG5QE104-MSD
Date Sampled...: 07/12/00 11:30 **Date Received..:** 07/13/00
Prep Date.....: 07/14/00 **Analysis Date..:** 07/18/00
Prep Batch #...: 0196147 **Analysis Time..:** 03:54
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**703 a**	**(65 - 130)**			**SW846 8082**
	702 a	**(65 - 130)**	**0.06**	**(0-23)**	**SW846 8082**
Aroclor 1260	**78**	**(66 - 128)**			**SW846 8082**
	80	**(66 - 128)**	**2.0**	**(0-23)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	50 *	(62 - 145)
	51 *	(62 - 145)
Tetrachloro-m-xylene	48 *	(60 - 130)
	51 *	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D0G130230 **Work Order #...:** DG5QE103-MS **Matrix.....:** SOLID
MS Lot-Sample #: D0G130230-016 DG5QE104-MSD
Date Sampled...: 07/12/00 11:30 **Date Received..:** 07/13/00
Prep Date.....: 07/14/00 **Analysis Date..:** 07/18/00
Prep Batch #...: 0196147 **Analysis Time..:** 03:54
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**ND**	**74.9**	**526**	**ug/kg**	**703 a**		**SW846 8082**
	ND	**74.9**	**526**	**ug/kg**	**702 a**	**0.06**	**SW846 8082**
Aroclor 1260	**ND**	**74.9**	**58.5**	**ug/kg**	**78**		**SW846 8082**
	ND	**74.9**	**59.7**	**ug/kg**	**80**	**2.0**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	50 *	(62 - 145)
	51 *	(62 - 145)
Tetrachloro-m-xylene	48 *	(60 - 130)
	51 *	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D0G130230 **Work Order #...:** DG5M1-SMP DG5M1-DUP **Matrix.....:** SOLID

Date Sampled...: 07/11/00 11:05 **Date Received..:** 07/12/00

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D0G130230-004	
	18.0	15.1	%	17	(0-0.0)	MCAWW 160.3 MOD	07/26/00	0210541

Dilution Factor: 1

Analysis Time..: 18:00

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D0G130230 **Work Order #...:** DG7QV-SMP DG7QV-DUP **Matrix.....:** SOLID

Date Sampled...: 07/11/00 18:00 **Date Received..:** 07/14/00

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D0G140159-007	
	19.5	19.7	%	1.0	(0-0.0)	MCAWW 160.3 MOD	07/26/00	0210543

Dilution Factor: 1

Analysis Time..: 18:00

1.6 °C MPK 7/12/2000

36133 7/12/00

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
644 Linn Street, Suite 501
Cincinnati, Ohio 45203
(513) 651-3440 Fax (513) 651-3452

CHAIN-OF-CUSTODY RECORD

PURCHASE ORDER NO.

PROJECT NAME/ NO. JCI / 20209-016-0402-121

LOCATION Fowlerville, MI

SAMPLERS: Stacey Lane / Chris Speelman (NAME) Stacey B. Lane (SIGNATURE)

LABORATORY: Quanterra

ADDRESS: 4955 Yarrow St. Arveda, CO 80002

FORWARD RESULTS TO: Bill Eckhoff

	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	SOIL	WATER	SAMPLE LOCATION	NO. OF CONTAINERS	ANALYTICAL PARAMETERS: VOCs Method SW-846 8260B							REMARKS:
1	SO-TCE15-7.0-7.5	7/11	0910		X	X			4	X							
2	SO-TCE20-3-4	7/11	1045		X	X			2	X							
3	SO-TCE20-4-5	7/11	1040		X	X			4	X							
4	SO-TCE20-8.0-8.5	7/11	1105		X	X			4	X							
5	SO-TCE19-6.0-6.5	7/11	1650		X	X			4	X							*Must be analyzed.
6	Trip Blank	—	—				X		1	X							
7	GW-TCE14-17-18	7/11	1140		X		X		3	X							All H_2O is HCl Preserved Analyze All Waters
8	GW-TCE15-7-8	7/11	1155		X		X		2	X							
9	GW-TCE16-17-18	7/11	1210		X		X		3	X							
10	GW-TCE20-10-11	7/11	1220		X		X		3	X							
11	GW-TCE24-8-9	7/11	1730		X		X		2	X							
12	GW-TCE200				X		X		3	X							
																	*Please Preserve & hold until called
																	all soils U.O.N. all soils

RELINQUISHED BY:	COMPANY:	DATE: / TIME:	RECEIVED BY:	COMPANY:	DATE: / TIME:
Chris Speelman (NAME) (SIGNATURE)	URS D&M	7/11/00 19:00	Jeff Mott (NAME) Jeff Mott (SIGNATURE)	STL	7-12-00 830
(NAME) (SIGNATURE)			(NAME) (SIGNATURE)		

forms/RECORD

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
644 Linn Street, Suite 501
Cincinnati, Ohio 45203
(513) 651-3440 Fax (513) 651-3452

CHAIN-OF-CUSTODY RECORD

PURCHASE ORDER NO.

PROJECT NAME/ NO. JCI-RFI-PH.III / 20209-016-121

LOCATION Fowlerville, MI

SAMPLERS: (NAME) Stacey Lane / Chris Speelman (SIGNATURE) Stacey B. Lane / [signature]

LABORATORY: Quanterra

ADDRESS: 4955 Yarrow St. Arveda, CO 80002

FORWARD RESULTS TO: Bill Eckhoff, Mike Wagner

	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	SOIL	WATER	SAMPLE LOCATION	NO. OF CONTAINERS	VOCs method SW-8260B	PCB							REMARKS:
13	SO-TCE25-6-6.5	7/12	0810		X	X			4	X								
14	SO-TCE37-6-6.5	7/12	0855		X	X			4	X								
15	SO-TCE34-9-9.5	7/12	1115		X	X			4	X								
16	SO-TCE34-7-8	7/12	1130		X	X			1		X							Please call Mike for method #
17	SO-TCE34-10-10.5	7/12	1130		X	X			1		X							Pls call Mike for method #
18	SO-TCE38-9-9.5	7/12	1430		X	X			4	X								
19	SO-TCE29-5-5.5	7/12	1500		X	X			4	X								
20	SO-TCE33-5-5.5	7/12	1540		X	X			4	X								
21	SO-TCE33-7-8	7/12	1550		X	X			2		X							Pls. call Mike for method #
22	SO-TCE39-5-6	7/12	1630		X	X			4	X								
23	SO-TCE39-6-7	7/12	1645		X	X			1		X							Pls. call Mike for method #
24	SO-TCE39-10-11	7/12	1645		X	X			1		X							Pls. call Mike for method #
																		Please hold soils & preserve*
																		Hold until called for what to analyze

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
(NAME) Chris Speelman (SIGNATURE) [signature]	URS D&M	7/12/00	1830	(NAME) Jeff Mott (SIGNATURE) Jeff Mott	JTL	7-13-00	815
(NAME) (SIGNATURE)				(NAME) (SIGNATURE)			

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DCM GROUP
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CHAIN-OF-CUSTODY RECORD

2.7°C JM 7/13

PURCHASE ORDER NO.

PROJECT NAME/ NO. JCI-RFI-Ph.III / 20209-016-0402-18

LOCATION Fowlerville, MI

SAMPLERS: Stacey Lane / Chris Speelman (NAME) Stacey S. Lane / [signature] (SIGNATURE)

LABORATORY: Quanterra

ADDRESS: 4955 Yarrow St. Arveda, CO 80002

FORWARD RESULTS TO: Bill Eckhoff

	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	SOIL	WATER	SAMPLE LOCATION	NO. OF CONTAINERS	ANALYTICAL PARAMETERS: VOCs 8260 method SW-846								REMARKS:
25	GW-TCE-17-12-13	7/11	1805		X		X		3	X								
26	GW-TCE21-10-11	7/11	1820		X		X		3	X								
27	GW-TCE19-10-11	7/11	1830		X		X		3	X								
28	GW-TCE25-8-10	7/12	1150		X		X		3	X								
29	GW-TCE37-7-9	7/12	1200		X		X		2	X								
30	GW-TCE39-10-11.5	7/12	1220		X		X		3	X								
31	GW-TCE34-10-12	7/12	1240		X		X		3	X								
32	GW-TCE300	7/12	—		X		X		3	X								
33	GW-TCE400	7/12	—		X		X		3	X								
34	Trip Blank	—	—		X		X		1	X								
																		*All H_2O is preserved w/ HCl
																		Please analyze all H_2O Samples

RELINQUISHED BY:	COMPANY:	DATE: / TIME:	RECEIVED BY:	COMPANY:	DATE: / TIME:
Chris Speelman (NAME) [signature] (SIGNATURE)	URS D&M	7/12/00 1830	Jeff Mott (NAME) [signature] (SIGNATURE)	STL	7-13-00 8 15
(NAME) (SIGNATURE)			(NAME) (SIGNATURE)		

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Severn Trent Laboratories - Denver
Condition Upon Receipt Anomaly Report (CUR)

Client: OAMES+Moore
Date/Time: 7-13-00 1435
Lot No: D0G0130230
Initiated by: JM
Affected Samples
COC#

Client ID	Lab ID	Analyses Requested
(1) All water VOAs		
GW-TCE15-7-8	-008	VOA
GW-TCE24-8-9	-011	VOA
GW-TCE37-7-9	-029	VOA

CONDITION/ANOMALY/VARIANCE (CHECK ALL THAT APPLY):

☐ **COOLERS**
- ☐ Not Received, No Chain of Custody (COC)
- ☐ Not Received but COC(s) Available
- ☐ Leaking
- ☐ Other:

☐ **TEMPERATURE (greater than 6° C)**
- ☐ Cooler Temp
- ☐ Temperature Blank

(1) ☒ **CONTAINERS**
- ☐ Leaking
- ☐ Broken
- ☐ Extra
- ☐ Without Labels
- ☒ VOA Vials with Headspace 2-15 mm
- ☐ Other:

☐ **CUSTODY SEALS (COOLER(S)/CONTAINER(S)**
- ☐ None
- ☐ Not Intact
- ☐ Other:

☐ **CHAIN OF CUSTODY (COCs)**
- ☐ Not relinquished by Client; No date/time Relinq.
- ☐ Incomplete Information
- ☐ Other:

☐ **CONTAINER LABELS**
- ☐ Not the same ID/info as in COC
- ☐ Incomplete
- ☐ ID ☐ COLLECTION ☐ Time ☐ Date ☐ PRESERVATIVE
- ☐ Markings/Info smeared or illegible
- ☐ Torn
- ☐ Other:

☐ **SAMPLES**
- ☐ Samples NOT RECEIVED but listed on COC ------ ☐ will be noted on COC ☐ Client to send samples with new COC
- ☐ Samples received but NOT LISTED on COC
- ☐ Logged based on Label Information
- ☐ Logged based on info from other samples on COC
- ☐ Logged according to Work Plan
- ☐ Logged on HOLD UNTIL FURTHER NOTICE
- ☐ Other:

- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired
- ☐ Improper container used
- ☐ Not preserved / Improper preservative used
- ☐ Improper pH ☐ Lab to preserve sample
- ☐ Insufficient quantities for analysis

(1) Comments: Almost All VOA vials have bubbles.
(2) 1 VOA vial Empty, 2 Full.

Corrective Action:
- ☐ Client Informed: verbally on: 7/14/00 By: ___ In writing on: ___ By: ___
- ☒ Sample(s) processed "as is". Submit run to Carlos
- ☐ Sample(s) on hold until: ___ If released, notify: ___

Sample Control Supervisor Review: Jeff M Date: 7-13-00
Project Management Review: Date: 7/14/00

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

N:\QA\Forms\Sample Receiving\ Condition Upon Receipt Report 1/4/99 version