O'BRIEN & GERE

September 29, 2006

Mr. Eric Hausamann, P.E.
New York State
Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233

Re: Sheridan Waste Oil Site
Vapor Intrusion Investigation

File: 38688

Dear Mr. Hausamann:

This letter presents the procedures and sampling approach followed while performing the recent tasks associated with the vapor intrusion investigation at the Sheridan Waste Oil Site in Brookhaven, New York as part of the New York State Department of Environmental Conservation (the Department) Work Assignment #46. The general scope of activities was presented in the Project Management Work Plan (PMWP) prepared by O'Brien & Gere, dated March 31, 2006.

The vapor intrusion investigation was conducted in April and May 2006 and included ground water sampling and soil gas sampling. A summary of the sampling methodology is presented below.

Temporary Well Ground Water Sampling

As shown on the figure in the attached field notes, temporary ground water monitoring wells were installed at five locations within the study area (GW-1, GW-2, GW-3, GW-4, and GW-5) on April 20, 2006. The temporary wells were installed by Environmental Clean-up Solutions, Inc. (ECS) of Scotia, New York. O'Brien & Gere personnel observed the installation of the temporary wells. Each temporary well was driven to its target depth using geoprobe drive rods. Target depths were based on historic ground water depths (see Department/NYSDOH Site Information Summary for Triage Sites presented in PMWP). An appropriate length of 1/4-inch polyethylene tubing was inserted into the hollow drive rods to reach below the ground water level. Polyethylene tubing was fitted with a 6-inch stainless steel screen for sampling. A peristaltic pump was used to purge the ground water from the temporary well, purging was terminated when water clarity was achieved (roughly one gallon for most locations). Some locations were purged and sampled using a hand check valve (as noted in the field notes). Ground water samples were collected in three 40ml vials (preserved w/HCL), QC samples were also collected. The samples were submitted to Mitkem Laboratories of Warwick, Rhode Island for volatile organic compound (VOC) analysis. Upon completion of sampling, the tubing and drive rods were removed from the temporary well; the remaining borehole was backfilled with sand and bentonite up to the ground surface.

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Subsurface Soil Gas Sampling Point Installation

As shown on the figure in the attached field notes, soil gas sampling points were installed at ten locations (V-1S, V-1D, V-2S, V-2D, V-3S, V-3D, V-4S, V-4D, V-5S, and V-5D). Soil gas points were installed on April 21, 2006 by ECS. O'Brien & Gere personnel observed the installation of the soil gas sampling points. The final location of each pilot boring and soil gas sampling point was based on an evaluation of subsurface utilities (i.e., sanitary, water and gas lines) at each property. For each location, one point was installed 3 feet above the ground water level, and one point 8 feet below the ground surface. The location and depth of each soil gas sampling point is summarized in the field notes.

Each sampling point was driven to its target depth using geoprobe drive rods. As the drive rods were removed, the annular space around the sampling point was packed with fine sand to a point about 6 inches above the screened interval. The annular space around the sample tubing was sealed with approximately 0.5-foot of a dry granular bentonite to prevent water infiltration/infilling across the sample inlet. The remainder of the boring's annular space was sealed above the sampling zone to ground surface with a bentonite slurry to prevent ambient air infiltration. The soil gas sampling point consists of a 6-inch length of double woven stainless steel wire screen with a pore diameter of 0.0057 inches (0.145 mm) attached to an appropriate length of Nalgene® 489 polyethylene tubing.

Subsurface Soil Gas Sampling and Analysis

The subsurface soil gas sampling points were sampled by O'Brien & Gere on April 25, 2006. Prior to the collection of the subsurface soil gas samples, the sampling tubing was purged of ambient air. Approximately 220 cubic centimeters of air were purged from each shallow sample and 2000 cubic centimeters from each deep sample prior to sample collection. Post purging, sample lines were tested for potential surface air infiltration using Helium tracer gas. The procedure for Helium tracer gas testing was as follows: The top of the soil gas sampling tube is attached to the top of an enclosure, so that the tube is sealed from the surface to the deepest point. Helium gas is pumped into the enclosure to a concentration of 40-50 percent Helium. After fifteen minutes the Helium inside the enclosure was analyzed using a MGD 2002 multigas leak detector, this is to verify the Helium did not escape to the atmosphere. After confirmation of Helium in the enclosure, the top of the soil gas sampling point was tested for Helium gas penetration through the soil into the sampling tube. The soil gas sampling points were found to be within the acceptable limit of twenty percent helium.

The subsurface soil gas samples were collected using individual certified-clean 6-liter stainless steel SUMMA vacuum canisters equipped with laboratory-calibrated fixed rate flow controllers. The flow controllers were set to collect soil gas samples for a period of 2 hours, resulting in a sample rate of approximately 0.05 liters per minute. Sample collection was terminated before the canister vacuum was exhausted, and the canister vacuum levels at the beginning and end of sample collection was recorded on a sample collection field form.

The soil gas samples were submitted to Princeton Analytical Laboratory in Flemington, New Jersey for VOC analysis using United States Environmental Protection Agency (USEPA) Method TO-15. Chain-of-custody documentation was maintained daily following procedures in the Department-approved SAP. Each SUMMA canister was labeled with sample identification, the start and end time of sample collection, date, project identification and required laboratory analysis. The same information was recorded in the field notes. After sample collection, the soil gas sampling lines were

cut, plugged, folded, and buried beneath native soil, and the ground surface restored to pre-existing original condition.

The analytical data packages for the ground water and soil gas samples were submitted to Nancy J. Potak for validation and preparation of a Data Usability Summary Report (DUSR). The DUSR, along with data summary tables, field notes, and site photographs, are attached. Should you have any questions regarding the above information, please feel free to contact me.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Paul T. Curran, P.E.
Managing Associate

Attachments

cc: Kevin Ballou – O'Brien & Gere

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NYSDEC/Sheridan Waste Oil - Ground Water Sampling Results

Sample ID:	1-52-024-GW-1-042006		1-52-024-GW-2-042006		1-52-024-GW-3-042006	
Sample Date:	4/20/2006		4/20/2006		4/20/2006	
Sample Type:	Ground Water		Ground Water		Ground Water	
Compound	ug/L	Qualifier	ug/L	Qualifier	ug/L	Qualifier
Acetone	5	U,J	5	U,J	5	U,J
Benzene	5	U	5	U	5	U
Bromobenzene	5	U	5	U	5	U
Bromochloromethane	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U
Bromomethane	5	U	5	U	5	U
2-Butanone	5	U	5	U	5	U
n-Butylbenzene	5	U	5	U	5	U
sec-Butylbenzene	5	U	5	U	5	U
tert-Butylbenzene	5	U	5	U	5	U
Carbon Disulfide	5	U	5	U	5	U
Carbon Tetrachloride	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U
Chloroethane	5	U	5	U	5	U
Chloroform	5	U	5	U	5	U
Chloromethane	5	U	5	U	5	U
2-Chlorotoluene	5	U	5	U	5	U
4-Chlorotoluene	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U
1,2-Dibromo-2-chloropropane	5	U	5	U	5	U
Dibromomethane	5	U	5	U	5	U
1,2-Dibromoethane	5	U	5	U	5	U
1,2-Dichlorobenzene	5	U	5	U	5	U
1,3-Dichlorobenzene	5	U	5	U	5	U
1,4-Dichlorobenzene	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U
1,1-Dichloroethene	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	U	5	U	5	U
trans-1,2-Dichloroethene	5	U	5	U	5	U
Dichlorofluoromethane	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U
1,3-Dichloropropane	5	U	5	U	5	U
2,2-Dichloropropane	5	U	5	U	5	U
1,1-Dichloropropene	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U
Hexachlorobutadiene	5	U	5	U	5	U
2-Hexanone	5	U	5	U	5	U
Iodomethane	5	U	5	U	5	U
Isopropylbenzene	5	U	5	U	5	U
4-Isolpropyltoluene	5	U	5	U	5	U
Methylene chloride	5	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	5	U
Methyl tert-butyl ether	5	U	5	U	5	U
Naphthalene	5	U	5	U	5	U
n-Propylbenzene	5	U	5	U	5	U
Styrene	5	U	5	U	5	U
1,1,1,2-Tetrachloroethane	5	U	5	U	5	U

NYSDEC/Sheridan Waste Oil - Ground Water Sampling Results

Sample ID:	1-52-024-GW-1-042006		1-52-024-GW-2-042006		1-52-024-GW-3-042006	
Sample Date:	4/20/2006		4/20/2006		4/20/2006	
Sample Type:	Ground Water		Ground Water		Ground Water	
Compound	ug/L	Qualifier	ug/L	Qualifier	ug/L	Qualifier
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U
Tetrachloroethene	5	U	5	U	5	U
Toluene	5	U	5	U	5	U
1,2,3-Trichlorobenzene	5	U	5	U	5	U
1,2,4-Trichlorobenzene	5	U	5	U	5	U
1,1,1-Trichloroethane	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U
1,2,3-Trichloropropane	5	U	5	U	5	U
1,2,4-Trimethylbenzene	5	U	5	U	5	U
1,3,5-Trimethylbenzene	5	U	5	U	5	U
Vinyl acetate	5	U	5	U	5	U
Vinyl chloride	5	U	5	U	5	U
Xylene (total)	5	U	5	U	5	U
m,p-Xylene	5	U	5	U	5	U
o-Xylene	5	U	5	U	5	U

Sample 1-52-024-X-1-042006 is a duplicate of 1-52-024-GW-3-042006.
U = not detected
J = approximate value

NYSDEC/Sheridan Waste Oil - Ground Water Sampling Results

Sample ID:	1-52-024-GW-4-042006		1-52-024-GW-5-042106		1-52-024-X-1-042006	
Sample Date:	4/20/2006		4/21/2006		4/20/2006	
Sample Type:	Ground Water		Ground Water		Ground Water	
Compound	ug/L	Qualifier	ug/L	Qualifier	ug/L	Qualifier
Acetone	5	U,J	5	U,J	5	J
Benzene	5	U	5	U	5	U
Bromobenzene	5	U	5	U	5	U
Bromochloromethane	5	U	5	U	5	U
Bromodichloromethane	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U
Bromomethane	5	U	5	U	5	U
2-Butanone	5	U	5	U	5	U
n-Butylbenzene	5	U	5	U	5	U
sec-Butylbenzene	5	U	5	U	5	U
tert-Butylbenzene	5	U	5	U	5	U
Carbon Disulfide	5	U	5	U	5	U
Carbon Tetrachloride	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U
Chloroethane	5	U	5	U	5	U
Chloroform	5	U	5	U	5	U
Chloromethane	5	U	5	U	5	U
2-Chlorotoluene	5	U	5	U	5	U
4-Chlorotoluene	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U
1,2-Dibromo-2-chloropropane	5	U	5	U	5	U
Dibromomethane	5	U	5	U	5	U
1,2-Dibromoethane	5	U	5	U	5	U
1,2-Dichlorobenzene	5	U	5	U	5	U
1,3-Dichlorobenzene	5	U	5	U	5	U
1,4-Dichlorobenzene	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U
1,1-Dichloroethene	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	U	5	U	5	U
trans-1,2-Dichloroethene	5	U	5	U	5	U
Dichlorofluoromethane	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U
1,3-Dichloropropane	5	U	5	U	5	U
2,2-Dichloropropane	5	U	5	U	5	U
1,1-Dichloropropene	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U
Hexachlorobutadiene	5	U	5	U	5	U
2-Hexanone	5	U	5	U	5	U
Iodomethane	5	U	5	U	5	U
Isopropylbenzene	5	U	5	U	5	U
4-Isolpropyltoluene	5	U	5	U	5	U
Methylene chloride	5	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	5	U
Methyl tert-butyl ether	5	U	10		5	U
Naphthalene	5	U	5	U	5	U
n-Propylbenzene	5	U	5	U	5	U
Styrene	5	U	5	U	5	U
1,1,1,2-Tetrachloroethane	5	U	5	U	5	U

NYSDEC/Sheridan Waste Oil - Ground Water Sampling Results

Sample ID:	1-52-024-GW-4-042006		1-52-024-GW-5-042106		1-52-024-X-1-042006	
Sample Date:	4/20/2006		4/21/2006		4/20/2006	
Sample Type:	Ground Water		Ground Water		Ground Water	
Compound	ug/L	Qualifier	ug/L	Qualifier	ug/L	Qualifier
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U
Tetrachloroethene	5	U	5	U	5	U
Toluene	5	U	5	U	5	U
1,2,3-Trichlorobenzene	5	U	5	U	5	U
1,2,4-Trichlorobenzene	5	U	5	U	5	U
1,1,1-Trichloroethane	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	U
Trichlorofluoromethane	5	U	5	U	5	U
1,2,3-Trichloropropane	5	U	5	U	5	U
1,2,4-Trimethylbenzene	5	U	5	U	5	U
1,3,5-Trimethylbenzene	5	U	5	U	5	U
Vinyl acetate	5	U	5	U	5	U
Vinyl chloride	5	U	5	U	5	U
Xylene (total)	5	U	5	U	5	U
m,p-Xylene	5	U	5	U	5	U
o-Xylene	5	U	5	U	5	U

Sample 1-52-024-X-1-042006 is a duplicate of 1-52-024-GW-3-042006.
U = not detected
J = approximate value

NYSDEC/Sheridan Waste Oil - Soil Vapor Sampling Results

Sample ID:	1-52-024-V-1S-042506			1-52-024-V-1D-042506			1-52-024-V-2S-042506			1-52-024-V-2D-042506			1-52-024-V-3S-042506			1-52-024-V-3D-042506		
Sample Date:	4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006		
Sample Type:	Soil Vapor			Soil Vapor			Soil Vapor			Soil Vapor			Soil Vapor			Soil Vapor		
Sample Depth (bgs):	8 ft			25 ft			8 ft			22 ft			8 ft			28 ft		
PAL ID:	60253-03			60253-04			60253-05			60253-06			60253-07			60253-08		
Compound	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier
Acetone	521.95	1239.87	D,J	691.10	1641.68	D,J	360.00	855.17	D,J	975.00	2316.07	D,J	248.00	589.11	E	871.03	2069.09	D,J
Benzene	1.99	6.34	J	1.45	4.62	J	1.49	4.77	J	2.85	9.10	J	1.65	5.28	J	4.14	13.21	J
Bromomethane	0.23	0.89	UJ	0.23	0.89	UJ	0.23	0.89	UJ	0.23	0.89	UJ	0.23	0.89	UJ	0.23	0.89	UJ
Carbon tetrachloride	0.15	0.94	UJ	0.15	0.94	UJ	0.15	0.94	UJ	0.15	0.94	UJ	0.15	0.94	UJ	0.15	0.94	UJ
Chlorobenzene	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ
Chloroethane	0.11	0.29	UJ	0.11	0.29	UJ	0.15	0.40	J	0.13	0.35	J	0.11	0.29	UJ	0.13	0.33	J
Chloroform	0.40	1.96	J	0.47	2.30	J	0.57	2.79	J	0.67	3.29	J	2.43	11.85	J	5.95	29.08	J
Chloromethane	0.20	0.42	J	0.18	0.37	UJ	0.31	0.63	J	0.28	0.58	J	0.28	0.57	J	0.35	0.73	J
1,1-Dichloroethane	0.13	0.53	UJ	0.13	0.53	UJ	0.13	0.53	UJ	0.13	0.53	UJ	0.13	0.53	UJ	0.13	0.53	UJ
1,2-Dichloroethane	0.10	0.40	UJ	0.10	0.40	UJ	0.10	0.40	UJ	0.10	0.40	UJ	0.10	0.40	UJ	0.10	0.40	UJ
1,1-Dichloroethylene	0.10	0.40	UJ	0.10	0.40	UJ	0.14	0.54	J	0.20	0.80	J	0.10	0.40	UJ	0.10	0.40	UJ
cis-1,2-Dichloroethylene	0.11	0.44	UJ	0.11	0.44	UJ	0.11	0.44	UJ	0.11	0.44	UJ	0.11	0.44	UJ	0.11	0.44	UJ
trans-1,2-Dichloroethylene	0.15	0.59	UJ	0.15	0.59	UJ	0.15	0.59	UJ	0.15	0.59	UJ	0.15	0.59	UJ	0.15	0.59	UJ
1,2-Dichloropropane	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ
cis-1,3-Dichloropropene	0.15	0.68	UJ	0.15	0.68	UJ	0.15	0.68	UJ	0.15	0.68	UJ	0.15	0.68	UJ	0.15	0.68	UJ
trans-1,3-Dichloropropene	0.16	0.73	UJ	0.16	0.73	UJ	0.16	0.73	UJ	0.16	0.73	UJ	0.16	0.73	UJ	0.16	0.73	UJ
Ethylbenzene	1.25	5.42	J	4.29	18.64	J	2.33	10.11	J	5.56	24.15	J	2.03	8.80	J	4.05	17.60	J
Methylene chloride	48.63	168.92	D,J	1.78	6.17	J	2.62	9.12	J	12.23	42.48	J	2.79	9.70	J	0.26	0.90	J
Styrene	0.98	4.16	J	2.32	9.86	J	3.13	13.34	J	4.06	17.28	J	2.74	11.65	J	3.83	16.31	J
1,1,2,2-Tetrachloroethane	0.10	0.69	UJ	0.10	0.69	UJ	0.10	0.69	UJ	0.10	0.69	UJ	0.10	0.69	UJ	0.10	0.69	UJ
Tetrachloroethylene	2.00	13.59	J	1.56	10.57	J	3.57	24.22	J	2.50	16.97	J	0.32	2.18	J	0.28	1.89	J
Toluene	64.83	244.29	D,J	50.25	189.37	D,J	14.25	53.70	J	57.15	215.37	D,J	16.96	63.93	J	64.33	242.41	D,J
1,1,1-Trichloroethane	0.10	0.56	J	0.21	1.15	J	0.68	3.69	J	0.94	5.11	J	0.10	0.55	UJ	0.10	0.55	UJ
1,1,2-Trichloroethane	0.10	0.55	UJ	0.10	0.55	UJ	0.10	0.55	UJ	0.10	0.55	UJ	0.10	0.55	UJ	0.10	0.55	UJ
Trichloroethylene	0.11	0.58	J	0.31	1.68	J	0.25	1.34	J	0.35	1.89	J	0.12	0.67	J	0.39	2.08	J
Vinyl chloride	0.10	0.26	UJ	0.10	0.26	UJ	0.10	0.26	UJ	0.10	0.26	UJ	0.10	0.26	UJ	0.10	0.26	UJ
m or p-Xylene	1.57	6.82	J	6.23	27.05	J	2.99	13.00	J	7.07	30.72	J	2.71	11.79	J	4.12	17.90	J
o-Xylene	0.85	3.68	J	3.63	15.78	J	1.47	6.39	J	4.18	18.16	J	1.35	5.87	J	2.48	10.79	J

Sample X-1-042506 is a duplicate of 1-52-024-V-4S-042506.

J = approximate value

D = dilution

E = concentration reported above linear range.

NYSDEC/Sheridan Waste Oil - Soil Vapor Sampling Results

Sample ID:	1-52-024-V-4S-042506			1-52-024-V-4D-042506			1-52-024-V-5S-042506			1-52-1024-V-5D-042506			X-1-042506		
Sample Date:	4/25/2006			4/25/2006			4/25/2006			4/25/2006			4/25/2006		
Sample Type:	Soil Vapor			Soil Vapor			Soil Vapor			Soil Vapor			Soil Vapor		
Sample Depth (bgs):	8 ft			32 ft			8 ft			33.5 ft			8 ft		
PAL ID:	60253-09			60253-10			60253-01			60253-02			60253-11		
Compound	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier	ppbv	ug/m3	Qualifier
Acetone	366.43	870.43	D,J	199.44	473.76	D,J	145.53	345.69	D,J	474.23	1126.50	D,J	428.82	1018.65	D,J
Benzene	2.20	7.01	J	1.58	5.06	J	1.32	4.20	J	1.57	5.02	J	1.71	5.47	J
Bromomethane	0.23	0.89	UJ	0.39	1.52	UJ	0.23	0.89	UJ	0.23	0.89	UJ	0.23	0.90	J
Carbon tetrachloride	0.15	0.94	UJ	0.26	1.60	UJ	0.15	0.94	UJ	0.15	0.94	UJ	0.15	0.94	UJ
Chlorobenzene	0.10	0.46	UJ	0.17	0.78	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ
Chloroethane	0.11	0.29	UJ	0.19	0.49	UJ	0.11	0.29	UJ	0.11	0.29	UJ	0.11	0.29	UJ
Chloroform	0.92	4.48	J	0.88	4.31	J	6.49	31.68	J	3.32	16.22	J	0.92	4.50	J
Chloromethane	0.18	0.37	UJ	0.31	0.63	UJ	0.18	0.37	UJ	0.18	0.37	UJ	0.18	0.37	UJ
1,1-Dichloroethane	0.13	0.53	UJ	0.22	0.89	UJ	0.13	0.53	UJ	0.13	0.53	UJ	0.13	0.53	UJ
1,2-Dichloroethane	0.10	0.40	UJ	0.17	0.69	UJ	0.10	0.40	UJ	0.10	0.40	UJ	0.10	0.40	UJ
1,1-Dichloroethylene	0.10	0.40	UJ	0.17	0.67	UJ	0.43	1.69	J	0.39	1.55	J	0.10	0.40	UJ
cis-1,2-Dichloroethylene	0.11	0.44	UJ	0.19	0.74	UJ	0.11	0.44	UJ	0.11	0.44	UJ	0.11	0.44	UJ
trans-1,2-Dichloroethylene	0.15	0.59	UJ	0.26	1.01	UJ	0.15	0.59	UJ	0.15	0.59	UJ	0.15	0.59	UJ
1,2-Dichloropropane	0.10	0.46	UJ	0.17	0.79	UJ	0.10	0.46	UJ	0.10	0.46	UJ	0.10	0.46	UJ
cis-1,3-Dichloropropene	0.15	0.68	UJ	0.26	1.16	UJ	0.15	0.68	UJ	0.15	0.68	UJ	0.15	0.68	UJ
trans-1,3-Dichloropropene	0.16	0.73	UJ	0.27	1.23	UJ	0.16	0.73	UJ	0.16	0.73	UJ	0.16	0.73	UJ
Ethylbenzene	3.74	16.24	J	2.97	12.89	J	1.75	7.58	J	2.69	11.67	J	3.16	13.74	J
Methylene chloride	0.32	1.09	J	22.88	79.48	J	0.35	1.21	J	0.79	2.73	J	2.85	9.90	J
Styrene	3.87	16.49	J	3.25	13.82	J	2.20	9.36	J	2.12	9.02	J	3.11	13.25	J
1,1,2,2-Tetrachloroethane	0.10	0.69	UJ	0.17	1.17	UJ	0.10	0.69	UJ	0.10	0.69	UJ	0.10	0.69	UJ
Tetrachloroethylene	0.49	3.30	J	0.43	2.92	J	0.81	5.51	J	0.62	4.18	J	0.26	1.77	J
Toluene	32.86	123.84	J	29.68	111.85	J	11.32	42.65	J	22.59	85.13	J	32.08	120.88	J
1,1,1-Trichloroethane	0.10	0.55	UJ	0.17	0.93	UJ	7.73	42.15	J	7.49	40.87	J	0.10	0.55	UJ
1,1,2-Trichloroethane	0.10	0.55	UJ	0.17	0.93	UJ	0.10	0.55	UJ	0.10	0.55	UJ	0.10	0.55	UJ
Trichloroethylene	0.22	1.17	J	0.22	1.19	J	0.13	0.71	J	1.62	8.71	J	0.38	2.02	J
Vinyl chloride	0.10	0.26	UJ	0.17	0.43	UJ	0.10	0.26	UJ	0.10	0.26	UJ	0.10	0.26	UJ
m or p-Xylene	6.15	26.72	J	5.08	22.06	J	2.70	11.71	J	2.76	11.99	J	5.41	23.52	J
o-Xylene	3.09	13.41	J	2.65	11.51	J	1.42	6.16	J	1.57	6.81	J	2.68	11.62	J

Sample X-1-042506 is a duplicate of 1-52-024-V-4S-042506.

J = approximate value

D = dilution

E = concentration reported above linear range.

SUMMARY OF THE ANALYTICAL DATA USABILITY
Sheridan Waste Oil

Water Volatile Organic Analyses
Samples Collected April 20, 2006
Samples Received April 22, 2006
Sample Delivery Group: E0513
Laboratory Reference Numbers:

GW-1	E0513-01
GW-2	E0513-02
GW-2 MS	E0513-02 MS
GW-2 MSD	E0513-02 MSD
GW-3	E0513-03
GW-4	E0513-04
GW-5	E0513-05
X-1	E0513-06
TB	E0513-07
EQB-1	E0513-08

Water samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
- Calibrations
* - Laboratory Blanks
* - Trip Blanks
- Storage Blank
- Equipment Blank
* - System Monitoring Compound Recoveries
* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Blank Spike
* - Laboratory Control Sample
- Instrument Detection Limits
* - Compound Identification
* - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA USABILITY SUMMARY

Instrument detection limits were not included in the analytical report.

The problems with the calibrations should be noted.

No other significant problems were found with this sample delivery group, which would affect the usability of the data.

Holding Times

All samples were analyzed within 7 days of the date of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the required quality assurance limits.

Calibrations

No problems were found with the initial calibration.

The percent differences of acetone (75%), 2-butanone (40%) and 2-hexanone (26%) were above the 25% quality assurance limit in continuing calibration V6E2401 analyzed on 4/27. This continuing calibration was associated with the analyses of all of the samples of this delivery group.

The acetone data for all of the samples was flagged with the "J" qualifier and should be considered estimated values.

The other two compounds were not detected in any of the samples and the data were not qualified since the percent differences were less than 50%.

Matrix Spike / Matrix Spike Duplicate

Sample GW-2 (Lab. #: E0513-02) was used as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the following exceptions:

Compound	MS %Rec	MSD %Rec	QC Limits	RPD	Limits
4-methyl-2-pentanone		144%	57-138		40%
1,1,2,2-Tretrachloroethane	126%	134%	76-125		40%
1,2-dibromo-3-chloropropane	132%	146%	71-132		40%

None of these compounds were detected in any of the samples and the high recoveries do not affect the end use of the data.

Blank Spike

A blank spike, distinct from the laboratory control samples, was not included in the data package.

Laboratory Control Sample

All recoveries were within the required quality control limits.

Method Blanks

No compounds were detected in either of the two method blanks.

Trip Blank

No compo9unds were detected in the trip blank.

Holding Blank

A holding blank was not analyzed with this sample delivery group.

Equipment Blank

A low concentration of chloroform (3J ug/l) was detected in the equipment blank.

Chloroform was not detected in any of the samples and its presence in the equipment blank does not affect the end use of the data

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required quality control limits.

Instrument Detection Limits

Instrument detection limits were not included in the analytical report.

Sample Results

No other problems were found with the reported results of any of the samples of this delivery group.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQB-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2415

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone 1D=73'	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	3	J
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EQB-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2415

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQB-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2415

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2409

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone 7.0< 75 J.	5	U J
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2409

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2409

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2406

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone 1 D=75 9,	5	U 4
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2406

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2406

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-3

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2410

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone 1,D=76 J	5	U J
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-3

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2410

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

GW-3

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2410

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2411

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone RD=75'	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2411

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2411

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2412

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone RD=737	5	U 4
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	10	
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2412

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2412

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2414

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone 1.D= 75'.	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2414

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2414

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2413

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone 1,D= 75 1.	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2413

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X-1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME0513

Matrix: (soil/water) WATER Lab Sample ID: E0513-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E2413

Level: (low/med) LOW Date Received: 04/22/06

% Moisture: not dec. _____ Date Analyzed: 04/27/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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SUMMARY OF THE ANALYTICAL DATA USABILITY
Sheridan Waste Oil

Water Volatile Organic Analyses
Samples Collected April 20, 2006
Samples Received April 22, 2006
Sample Delivery Group: E0513
Laboratory Reference Numbers:

GW-1	E0513-01
GW-2	E0513-02
GW-2 MS	E0513-02 MS
GW-2 MSD	E0513-02 MSD
GW-3	E0513-03
GW-4	E0513-04
GW-5	E0513-05
X-1	E0513-06
TB	E0513-07
EQB-1	E0513-08

INITIAL CALIBRATION

Instrument ID: V6
Level: Low
Tune File ID: V6E1750 **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: V6E1751 **Date:** 4/4/2006 **Page:** 72
Associated Samples: All

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene *	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Trichloroethene				Tetrachloroethene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
5	95,196	3,258,741	0.292	0.292	91,416	2,434,082	0.376	0.376
20	349,141	3,046,575	0.287	0.286	282,910	2,272,368	0.311	0.311
50	998,785	3,117,656	0.320	0.320	818,531	2,400,284	0.341	0.341
100	1,853,015	3,034,047	0.305	0.305	1,526,596	2,334,183	0.327	0.327
200	3,719,447	3,125,711	0.297	0.297	2,980,656	2,399,308	0.311	0.310
Average			0.300	0.300			0.333	0.333
			Calc	**Reported**			**Calc**	**Reported**
%RSD			4.38	4.40%			8.07	8.10%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: V6
Level: Low
Tune File ID: V6E2400 **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: V6E2401 **Date:** 4/27/2006 **Page:** 97
Initial Calibration File ID: V6E1751 **Date:** 4/4/2006 **Page:** 75
Associated Samples: All

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25		>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25		>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,3-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Hexachlorobutadiene	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Naphthalene	<25		>0.050	
2-Butanaone	<25	40%	>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25	26%	>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25	75%	>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25		>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25		>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Acetate	<25		>0.050	
Iodomethane	<25		>0.050		Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<25		>0.050	
toluene-d8	<25		>0.050	
4-bromofluorobenzene	<25		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No
TCL Compounds %D between 25% and 50% (J - qualify) Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify) All Acetone - J
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Toluene				1,2,4-Trichlorobenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
50	3,256,418	2,635,772	1.235	1.235	1,189,118	1,083,775	1.097	1.097
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		1.13	Calc	Reported		1.160	Calc	Reported
			9.33	9.30			-5.41	5.40

SUMMARY OF THE ANALYTICAL DATA USABILITY
Sheridan Waste Oil

Air Volatile Organic Analyses – Method TO-15
Samples Collected April 25, 2006
Samples Received April 26, 2006
Sample Delivery Group: 60253
Laboratory Reference Numbers:

1-52-024-V-5S-042506	60253-01
1-52-024-V-5S-042506 DL	60253-01 DL
1-52-024-V-5D-042506	60253-02
1-52-024-V-5D-042506 DL	60253-02 DL
1-52-024-V-1S-042506	60253-03
1-52-024-V-1S-042506 DL	60253-03 DL
1-52-024-V-1D-042506	60253-04
1-52-024-V-1D-042506 DL	60253-04 DL
1-52-024-V-2S-042506	60253-05
1-52-024-V-2S-042506 DL	60253-05 DL
1-52-024-V-2D-042506	60253-06
1-52-024-V-2D-042506 DL	60253-06 DL
1-52-024-V-3S-042506	60253-07
1-52-024-V-3D-042506	60253-08
1-52-024-V-3D-042506 DL	60253-08 DL
1-52-024-V-4S-042506	60253-09
1-52-024-V-4S-042506 DL	60253-09 DL
1-52-024-V-4D-042506	60253-10
1-52-024-V-4D-042506 DL	60253-10 DL
X-1-042506	60253-11
X-1-042506 DL	60253-11 DL

Air samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

- Data Completeness
* - GC/MS Tuning
- Holding Times
* - Calibrations
* - Laboratory Blanks
- Trip Blanks
- Storage Blank
- Equipment Blank
- Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Blank Spike
- Laboratory Control Sample
* - Compound Identification
* - Compound Quantitation
* - Canister Cleaning Documentation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The laboratory's case narrative states:

> *Sample 60253-10 was run several times, having failed its internal standards due to high concentrations of hydrocarbons at the end of the run. This increased the vacuum in the canister, resulting in an injection of only 9 cc instead of 500cc giving a 55.6x dilution. Nitrogen was subsequently added to the canister to reduce the vacuum, resulting in a 1.7x dilution when the sample was run straight. High concentrations of acetone were found in this sample.*

The problems with the holding times should be noted.

Holding Times

The samples were analyzed 6 to 28 days after the 14 day holding time. All of the samples were flagged with a "J" qualifier and should be considered estimated values.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

Calibrations

The 5/20 continuing calibration data were not included in the copy of the analytical report submitted for validation. The data for this calibration were reviewed from another report in this series.

The percent RSDs and %Ds for each target compound in all of the reported calibrations were within ±30 percent.

All RRFs of the target compounds were greater than 0.05.

Laboratory Control Samples

The recoveries of the laboratory control samples are noted on the sample data validation spreadsheets.

Compounds with high recoveries that were not detected in the sample were not qualified since the high recovery does not affect undetected data.

1,1-Dichloroethylene was not included on the laboratory control sample summary page. The recovery for this compound was reported from the raw data.

Method Blanks

No compounds were detected in any of the method blanks associated with the analyses of these samples at concentrations great than the PQL.

Equipment Blank

An equipment blank was not analyzed with this sample delivery group.

Method Detection Limit

No problems were found with the detection limit analyses.

Internal Standard Areas and Retention Times

The laboratory's case narrative states:

> *Sample 60253-10 was run several times, having failed its internal standards due to high concentrations of hydrocarbons at the end of the run. This increased the vacuum in the canister, resulting in an injection of only 9 cc instead of 500cc giving a 55.6x dilution. Nitrogen was subsequently added to the canister to reduce the vacuum, resulting in a 1.7x dilution when the sample was run straight. High concentrations of acetone were found in this sample.*

All reported internal standard recoveries were within the +/- 40% required limits.

Sample Results

Sample 1-52-024-V-3S-042506 (60253-07)

Acetone was reported at a concentration of 248 ppbv from the undiluted analysis, but 14.07 ppbv from the 25X dilution. The laboratory should note why the two concentrations are so different and if other samples run at a 25X dilution could be affected.

Sample X-1-042506 (60253-11)

The concentration of acetone reported on the summary form (429 ppbv) appeared to be reported from the undiluted analysis which was above the linear range for acetone. A concentration of 313 ppbv was calculated during the data validation. The laboratory should verify the results.

No other problems were detected with the sample results.

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/15/06
Data File: 051502, 051501
Summa ID: 3004

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-5S-042506		Reporting Limits		Data Validation					
PAL ID:		60253-01									
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	146	346	0.50	1.2	J (hold time)	145.525				25
Benzene		1.3	4.2	0.10	0.32	J (hold time)					1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)					1
Chloroform		6.5	32	0.10	0.49	J (hold time)	6.487				1
Chloromethane		< RL	< RL	0.18	0.37	J (hold time)					1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		0.43	1.7	0.10	0.40	J (hold time)	0.427				1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		1.7	7.6	0.10	0.43	J (hold time)	1.746				1
Methylene chloride		0.35	1.2	0.20	0.69	J (hold time)	0.349				1
Styrene		2.2	9.4	0.10	0.43	J (hold time)	2.198				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		0.81	5.5	0.10	0.68	J (hold time)	0.813				1
Toluene		11	43	0.10	0.38	J (hold time)	11.317				1
1,1,1-Trichloroethane		7.7	42	0.10	0.55	J (hold time)	7.725				1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.13	0.71	0.046	0.25	J (hold time)	0.132				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		2.7	12	0.10	0.43	J (hold time)	2.695				1
o-Xylene		1.4	6.2	0.10	0.43	J (hold time)	1.418				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/17/06
Data File: 051706, 051705
Summa ID: 3054

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-1024-V-5D-04250(		Reporting		Data Validation					
PAL ID:		60253-02		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	474	1127	0.50	1.2	J (hold time)	474.225				25
Benzene		1.6	5.0	0.10	0.32	J (hold time)	1.57				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)					1
Chloroform		3.3	16	0.10	0.49	J (hold time)	3.322				1
Chloromethane		< RL	< RL	0.18	0.37	J (hold time)		132%			1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		0.39	1.5	0.10	0.40	J (hold time)	0.39				1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		2.7	12	0.10	0.43	J (hold time)	2.687				1
Methylene chloride		0.79	2.7	0.20	0.69	J (hold time)	0.785				1
Styrene		2.1	9.0	0.10	0.43	J (hold time)	2.119				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		0.62	4.2	0.10	0.68	J (hold time)	0.617				1
Toluene		23	85	0.10	0.38	J (hold time)	22.59				1
1,1,1-Trichloroethane		7.5	41	0.10	0.55	J (hold time)	7.49				1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		1.6	8.7	0.046	0.25	J (hold time)	1.62				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		2.8	12	0.10	0.43	J (hold time)	2.761				1
o-Xylene		1.6	6.8	0.10	0.43	J (hold time)	1.568				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/17/06
Data File: 051709, 051708
Summa ID: 2035

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-1S-042506		Reporting Limits		Data Validation					
PAL ID:		60253-03									
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	522	1240	0.50	1.2	J (hold time)	521.95				25
Benzene		2.0	6.3	0.10	0.32	J (hold time)	1.986				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)					1
Chloroform		0.40	2.0	0.10	0.49	J (hold time)	0.402				1
Chloromethane		0.20	0.42	0.18	0.37	J (hold time)	0.203	132%			1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		< RL	< RL	0.10	0.40	J (hold time)					1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		1.2	5.4	0.10	0.43	J (hold time)	1.247				1
Methylene chloride	D	49	169	0.20	0.69	J (hold time)	48.625				25
Styrene		1.0	4.2	0.10	0.43	J (hold time)	0.977				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		2.0	14	0.10	0.68	J (hold time)	2.004				1
Toluene	D	65	244	0.10	0.38	J (hold time)	64.825				25
1,1,1-Trichloroethane		0.10	0.56	0.10	0.55	J (hold time)	0.103				1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.11	0.58	0.046	0.25	J (hold time)	0.108				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		1.6	6.8	0.10	0.43	J (hold time)	1.569				1
o-Xylene		0.85	3.7	0.10	0.43	J (hold time)	0.847				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/18/06
Data File: 051712, 051711
Summa ID: 9438B

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-1D-042506		Reporting		Data Validation					
PAL ID:		60253-04		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	691	1642	0.50	1.2	J (hold time)	691.1				25
Benzene		1.4	4.6	0.10	0.32	J (hold time)	1.445				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)					1
Chloroform		0.47	2.3	0.10	0.49	J (hold time)	0.472				1
Chloromethane		< RL	< RL	0.18	0.37	J (hold time)		132%			1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		< RL	< RL	0.10	0.40	J (hold time)					1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		4.3	19	0.10	0.43	J (hold time)	4.291				1
Methylene chloride		1.8	6.2	0.20	0.69	J (hold time)	1.777				1
Styrene		2.3	9.9	0.10	0.43	J (hold time)	2.316				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		1.6	11	0.10	0.68	J (hold time)	1.558				1
Toluene	D	50	189	0.10	0.38	J (hold time)	50.25				25
1,1,1-Trichloroethane		0.21	1.2	0.10	0.55	J (hold time)	0.211				1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.31	1.7	0.046	0.25	J (hold time)	0.313				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		6.2	27	0.10	0.43	J (hold time)	6.227				1
o-Xylene		3.6	16	0.10	0.43	J (hold time)	3.632				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/20/06
Data File: 051907, 051906
Summa ID: 3038

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-2S-042506		Reporting		Data Validation					
PAL ID:		60253-05		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	360	855	0.50	1.2	J (hold time)	360.075				25
Benzene		1.5	4.8	0.10	0.32	J (hold time)	1.492				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		0.15	0.40	0.11	0.29	J (hold time)	0.15				1
Chloroform		0.57	2.8	0.10	0.49	J (hold time)	0.572				1
Chloromethane		0.31	0.63	0.18	0.37	J (hold time)	0.306		138%		1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		0.14	0.54	0.10	0.40	J (hold time)	0.135				1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		2.3	10	0.10	0.43	J (hold time)	2.327				1
Methylene chloride		2.6	9.1	0.20	0.69	J (hold time)	2.624				1
Styrene		3.1	13	0.10	0.43	J (hold time)	3.132				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)		136%			1
Tetrachloroethylene		3.6	24	0.10	0.68	J (hold time)	3.571				1
Toluene		14	54	0.10	0.38	J (hold time)	14.251				1
1,1,1-Trichloroethane		0.68	3.7	0.10	0.55	J (hold time)	0.677				1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.25	1.3	0.046	0.25	J (hold time)	0.249				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		3.0	13	0.10	0.43	J (hold time)	2.992				1
o-Xylene		1.5	6.4	0.10	0.43	J (hold time)	1.471				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/22/06
Data File: 052006, 052005
Summa ID: OO2

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-2D-042506		Reporting		Data Validation					
PAL ID:		60253-06		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	975	2,316	0.50	1.2	J (hold time)	975.125				25
Benzene		2.8	9.1	0.10	0.32	J (hold time)	2.849				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		0.13	0.35	0.11	0.29	J (hold time)	0.132				1
Chloroform		0.67	3.3	0.10	0.49	J (hold time)	0.674				1
Chloromethane		0.28	0.58	0.18	0.37	J (hold time)	0.283				1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		0.20	0.80	0.10	0.40	J (hold time)	0.201				1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		5.6	24	0.10	0.43	J (hold time)	5.559				1
Methylene chloride		12	42	0.20	0.69	J (hold time)	12.227				1
Styrene		4.1	17	0.10	0.43	J (hold time)	4.059				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		2.5	17	0.10	0.68	J (hold time)	2.502				1
Toluene	D	57	215	0.10	0.38	J (hold time)	57.15				25
1,1,1-Trichloroethane		0.94	5.1	0.10	0.55	J (hold time)	0.936				1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.35	1.9	0.046	0.25	J (hold time)	0.351				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		7.1	31	0.10	0.43	J (hold time)	7.072				1
o-Xylene		4.2	18	0.10	0.43	J (hold time)	4.182				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/23/06
Data File: 052313, 052008
Summa ID: 2051

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-3S-042506		Reporting		Data Validation					
PAL ID:		60253-07		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	E	248	589	0.50	1.2	J (hold time)	248/14.07				1/ 25
Benzene		1.7	5.3	0.10	0.32	J (hold time)	1.652				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)					1
Chloroform		2.4	12	0.10	0.49	J (hold time)	2.427				1
Chloromethane		0.28	0.57	0.18	0.37	J (hold time)	0.278				1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		< RL	< RL	0.10	0.40	J (hold time)					1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		2.0	8.8	0.10	0.43	J (hold time)	2.025				1
Methylene chloride		2.8	9.7	0.20	0.69	J (hold time)	2.793				1
Styrene		2.7	12	0.10	0.43	J (hold time)	2.736				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		0.32	2.2	0.10	0.68	J (hold time)	0.322				1
Toluene		17	64	0.10	0.38	J (hold time)	16.964				1
1,1,1-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.12	0.67	0.046	0.25	J (hold time)	0.124				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		2.7	12	0.10	0.43	J (hold time)	2.714				1
o-Xylene		1.4	5.9	0.10	0.43	J (hold time)	1.351				1
											1

E = Estimate above calibration curve. Diluted result of 14 ppmv is not used here. The 248 ppbv is deemed more reliable.

O'Brien & Gere
5000 Brittonfield Pkwy.
East Syracuse, NY 13057
Att: Paul T. Curran, P.E.
Project: # 38688, Sheridan Waste Oi

Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/20/06
Data File: 051913, 051912
Summa ID: 3047

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-3D-042506		Reporting		Data Validation					
PAL ID:		60253-08		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	871	2,069	0.50	1.2	J (hold time)	871.025				25
Benzene		4.1	13	0.10	0.32	J (hold time)	4.135				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		0.13	0.33	0.11	0.29	J (hold time)	0.125				1
Chloroform		6.0	29	0.10	0.49	J (hold time)	5.954				1
Chloromethane		0.35	0.73	0.18	0.37	J (hold time)	0.353		138%		1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		< RL	< RL	0.10	0.40	J (hold time)					1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		4.1	18	0.10	0.43	J (hold time)	4.053				1
Methylene chloride		0.26	0.90	0.20	0.69	J (hold time)	0.259				1
Styrene		3.8	16	0.10	0.43	J (hold time)	3.831				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)		136%			1
Tetrachloroethylene		0.28	1.9	0.10	0.68	J (hold time)	0.278				1
Toluene	D	64	242	0.10	0.38	J (hold time)	64.325				25
1,1,1-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.39	2.1	0.046	0.25	J (hold time)	0.387				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		4.1	18	0.10	0.43	J (hold time)	4.12				1
o-Xylene		2.5	11	0.10	0.43	J (hold time)	2.484				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/24/06
Data File: 052402, 052401
Summa ID: 2847

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		1-52-024-V-4S-042506		Reporting		Data Validation					
PAL ID:		60253-09		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	366	870	0.50	1.2	J (hold time)	366.425				25
Benzene		2.2	7.0	0.10	0.32	J (hold time)	2.195				1
Bromomethane		< RL	< RL	0.23	0.89	J (hold time)					1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)					1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)					1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)					1
Chloroform		0.92	4.5	0.10	0.49	J (hold time)	0.918				1
Chloromethane		< RL	< RL	0.18	0.37	J (hold time)					1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)					1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)					1
1,1-Dichloroethylene		< RL	< RL	0.10	0.40	J (hold time)					1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)					1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)					1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)					1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)					1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)					1
Ethylbenzene		3.7	16	0.10	0.43	J (hold time)	3.739				1
Methylene chloride		0.32	1.1	0.20	0.69	J (hold time)	0.315				1
Styrene		3.9	16	0.10	0.43	J (hold time)	3.872				1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)					1
Tetrachloroethylene		0.49	3.3	0.10	0.68	J (hold time)					1
Toluene		33	124	0.10	0.38	J (hold time)	32.861				1
1,1,1-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)					1
Trichloroethylene		0.22	1.2	0.046	0.25	J (hold time)	0.217				1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)					1
m or p-Xylene		6.2	27	0.10	0.43	J (hold time)	6.151				1
o-Xylene		3.1	13	0.10	0.43	J (hold time)	3.087				1

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Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 6/2/06
Data File: 060109, 060108
Summa ID: 2946

Analysis: Volatile Organic Compounds by EPA Method TO- 1.704545455

Sample Name:		1-52-024-V-4D-042506		Reporting Limits		Data Validation					
PAL ID:		60253-10									
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	199	474	0.85	2.0	J (hold time)	199				55.6
Benzene		1.6	5.1	0.17	0.54	J (hold time)	1.5827				1.7
Bromomethane		< RL	< RL	0.39	1.52	J (hold time)					1.7
Carbon tetrachloride		< RL	< RL	0.26	1.60	J (hold time)			62%		1.7
Chlorobenzene		< RL	< RL	0.17	0.78	J (hold time)					1.7
Chloroethane		< RL	< RL	0.19	0.49	J (hold time)					1.7
Chloroform		0.88	4.3	0.17	0.83	J (hold time)	0.8823				1.7
Chloromethane		< RL	< RL	0.31	0.63	J (hold time)					1.7
1,1-Dichloroethane		< RL	< RL	0.22	0.89	J (hold time)					1.7
1,2-Dichloroethane		< RL	< RL	0.17	0.69	J (hold time)					1.7
1,1-Dichloroethylene		< RL	< RL	0.17	0.67	J (hold time)					1.7
cis-1,2-Dichloroethylene		< RL	< RL	0.19	0.74	J (hold time)					1.7
trans-1,2-Dichloroethylene		< RL	< RL	0.26	1.01	J (hold time)					1.7
1,2-Dichloropropane		< RL	< RL	0.17	0.79	J (hold time)					1.7
cis-1,3-Dichloropropene		< RL	< RL	0.26	1.16	J (hold time)					1.7
trans-1,3-Dichloropropene		< RL	< RL	0.27	1.23	J (hold time)					1.7
Ethylbenzene		3.0	13	0.17	0.74	J (hold time)	2.9665				1.7
Methylene chloride		23	79	0.34	1.18	J (hold time)	22.8786				1.7
Styrene		3.2	14	0.17	0.72	J (hold time)	3.2453	65%			1.7
1,1,2,2-Tetrachloroethane		< RL	< RL	0.17	1.17	J (hold time)					1.7
Tetrachloroethylene		0.43	2.9	0.17	1.15	J (hold time)	0.4301		62%		1.7
Toluene		30	112	0.17	0.64	J (hold time)	29.6803				1.7
1,1,1-Trichloroethane		< RL	< RL	0.17	0.93	J (hold time)					1.7
1,1,2-Trichloroethane		< RL	< RL	0.17	0.93	J (hold time)					1.7
Trichloroethylene		0.22	1.2	0.08	0.42	J (hold time)	0.221				1.7
Vinyl chloride		< RL	< RL	0.17	0.43	J (hold time)					1.7
m or p-Xylene		5.1	22	0.17	0.74	J (hold time)	5.0796				1.7
o-Xylene		2.7	12	0.17	0.74	J (hold time)	2.6503				1.7

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Project: # 38688, Sheridan Waste Oi

Report Date: 6/2/06
Job Number: 60253
Date Received: 4/26/06
Date Analyzed: 5/31/2006
Data File: 053102, 053101
Summa ID: 2038

Analysis: Volatile Organic Compounds by EPA Method TO-15m

Sample Name:		X-1-042506		Reporting		Data Validation					
PAL ID:		60253-11		Limits							
Compound		ppbv	ug/m3	ppbv	ug/m3	Qualifier	ppbv	LCS01 %	LCS02 %	IS Rec	Dilution
Acetone	D	429	1,019	0.50	1.2	J (hold time)	**314**	1.37			25
Benzene		1.7	5.5	0.10	0.32	J (hold time)	1.712	1.00			1
Bromomethane		0.23	0.90	0.23	0.89	J (hold time)	0.231	1.00			1
Carbon tetrachloride		< RL	< RL	0.15	0.94	J (hold time)		#VALUE!			1
Chlorobenzene		< RL	< RL	0.10	0.46	J (hold time)		#VALUE!			1
Chloroethane		< RL	< RL	0.11	0.29	J (hold time)		#VALUE!			1
Chloroform		0.92	4.5	0.10	0.49	J (hold time)	0.921	1.00			1
Chloromethane		< RL	< RL	0.18	0.37	J (hold time)		#VALUE!			1
1,1-Dichloroethane		< RL	< RL	0.13	0.53	J (hold time)		#VALUE!			1
1,2-Dichloroethane		< RL	< RL	0.10	0.40	J (hold time)		#VALUE!			1
1,1-Dichloroethylene		< RL	< RL	0.10	0.40	J (hold time)		#VALUE!			1
cis-1,2-Dichloroethylene		< RL	< RL	0.11	0.44	J (hold time)		#VALUE!			1
trans-1,2-Dichloroethylene		< RL	< RL	0.15	0.59	J (hold time)		#VALUE!			1
1,2-Dichloropropane		< RL	< RL	0.10	0.46	J (hold time)		#VALUE!			1
cis-1,3-Dichloropropene		< RL	< RL	0.15	0.68	J (hold time)		#VALUE!			1
trans-1,3-Dichloropropene		< RL	< RL	0.16	0.73	J (hold time)		#VALUE!			1
Ethylbenzene		3.2	14	0.10	0.43	J (hold time)	3.164	1.00			1
Methylene chloride		2.8	9.9	0.20	0.69	J (hold time)	2.849	1.00			1
Styrene		3.1	13	0.10	0.43	J (hold time)	3.112	1.00			1
1,1,2,2-Tetrachloroethane		< RL	< RL	0.10	0.69	J (hold time)		#VALUE!			1
Tetrachloroethylene		0.26	1.8	0.10	0.68	J (hold time)	0.261	1.00			1
Toluene		32	121	0.10	0.38	J (hold time)	32.076	1.00			1
1,1,1-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)		#VALUE!			1
1,1,2-Trichloroethane		< RL	< RL	0.10	0.55	J (hold time)		#VALUE!			1
Trichloroethylene		0.38	2.0	0.046	0.25	J (hold time)	0.376	1.00			1
Vinyl chloride		< RL	< RL	0.10	0.26	J (hold time)		#VALUE!			1
m or p-Xylene		5.4	24	0.10	0.43	J (hold time)	5.414	1.00			1
o-Xylene		2.7	12	0.10	0.43	J (hold time)	2.675	1.00			1

SUMMARY OF THE ANALYTICAL DATA USABILITY
Sheridan Waste Oil

Air Volatile Organic Analyses – Method TO-15
Samples Collected April 25, 2006
Samples Received April 26, 2006
Sample Delivery Group: 60253
Laboratory Reference Numbers:

1-52-024-V-5S-042506	60253-01
1-52-024-V-5S-042506 DL	60253-01 DL
1-52-024-V-5D-042506	60253-02
1-52-024-V-5D-042506 DL	60253-02 DL
1-52-024-V-1S-042506	60253-03
1-52-024-V-1S-042506 DL	60253-03 DL
1-52-024-V-1D-042506	60253-04
1-52-024-V-1D-042506 DL	60253-04 DL
1-52-024-V-2S-042506	60253-05
1-52-024-V-2S-042506 DL	60253-05 DL
1-52-024-V-2D-042506	60253-06
1-52-024-V-2D-042506 DL	60253-06 DL
1-52-024-V-3S-042506	60253-07
1-52-024-V-3D-042506	60253-08
1-52-024-V-3D-042506 DL	60253-08 DL
1-52-024-V-4S-042506	60253-09
1-52-024-V-4S-042506 DL	60253-09 DL
1-52-024-V-4D-042506	60253-10
1-52-024-V-4D-042506 DL	60253-10 DL
X-1-042506	60253-11
X-1-042506 DL	60253-11 DL

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0515BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: 0515 **Date:** 5/15/2006 **Page:** 533
Associated Samples: QC-0515, -01, -01x25, QC-0517, -02, -02x25, -03, -03x25, -04, -04x25, QC-0519, -05x25, -08, -08x25
QC-0520, -06, -06x25, -07x25, QC-0523, -07x1, QC-0524, -09, -09x25

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	trans-1,2-Dichloroethylene				o-Xylene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
0.5	567,355	11,971,267	0.948	0.948	1,878,574	39,630,718	0.948	0.948
10	8,732,949	10,608,459	0.823	0.823	26,214,827	35,810,366	0.732	0.732
20	14,906,228	9,986,589	0.746	0.746	41,959,833	34,875,145	0.602	0.602
30	22,095,592	10,061,336	0.732	0.732	62,544,530	35,413,202	0.589	0.589
40	38,657,974	14,163,246	0.682	0.682	84,757,766	40,512,137	0.523	0.523
Average			0.786	0.786			0.679	0.679
			Calc	**Reported**			**Calc**	**Reported**
%RSD			13.16	13.20%			24.84	24.80%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0517BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: 0517dcs **Date:** 5/17/2006 **Page:** 587
Initial Calibration File ID: 0515 **Date:** 5/15/2006 **Page:** 533
Associated Samples: QC-0517, -02, -02x25, -03, -03x25, -04, -04x25, QC-05, -05x25, -08, -08x25

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
Propylene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30		>0.050	
toluene-d8	<30		>0.050	
4-bromofluorobenzene	<30		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Bromoethene				1,1,2,2-Tetrachloroethane			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
10	2,439,151	6,524,293	0.374	0.374	12,454,197	23,232,113	0.536	0.536
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.44	Calc	Reported		0.441	Calc	Reported
			-15.03	15.00			21.56	21.70

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0519BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: 0519dcs **Date:** 5/19/2006 **Page:** 592
Initial Calibration File ID: 0515 **Date:** 5/15/2006 **Page:** 533
Associated Samples: QC-0519, -05x25, -08, -08x25

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
Propylene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30		>0.050	
toluene-d8	<30		>0.050	
4-bromofluorobenzene	<30		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Acetone				Stryene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	2,464,467	6,080,041	0.405	0.405	13,014,051	19,669,490	0.662	0.662
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.343	**Calc**	**Reported**		0.569	**Calc**	**Reported**
			18.17	18.20			16.28	16.40

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0520BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: 0520dcs **Date:** 5/20/2006 **Page:** 597
Initial Calibration File ID: 0515 **Date:** 5/15/2006 **Page:** 533
Associated Samples: QC-0520, -06, -06x25, -07x25

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
Propylene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30		>0.050	
toluene-d8	<30		>0.050	
4-bromofluorobenzene	<30		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Bromoethene				1,1,2,2-Tetrachloroethane			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
10	1,006,780	3,180,730	0.317	0.317	4,845,270	9,951,966	0.487	0.487
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.44	Calc	Reported		0.441	Calc	Reported
			-28.06	28.00			10.40	10.50

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0523BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: 0523 **Date:** 5/23/2006 **Page:** 602
Initial Calibration File ID: 0515 **Date:** 5/15/2006 **Page:** 533
Associated Samples: QC-0523, -07x1, QC-0524, -09, -09x25

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
Propylene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30		>0.050	
toluene-d8	<30		>0.050	
4-bromofluorobenzene	<30		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Chloroform				Trichloroethylene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
10	2,808,528	3,375,265	0.832	0.832	3,695,849	11,746,051	0.315	0.315
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		1.092	Calc	Reported		0.297	Calc	Reported
			-23.80	23.80			5.94	6.10

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0524BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: 0524 **Date:** 5/24/2006 **Page:** 607
Initial Calibration File ID: 0515 **Date:** 5/15/2006 **Page:** 533
Associated Samples: QC-0524, -09, -09x25

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
Propylene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30		>0.050	
toluene-d8	<30		>0.050	
4-bromofluorobenzene	<30		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	1,1-Dichloroethane				Styrene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	3,176,723	2,061,109	1.541	1.541	5,384,634	7,365,327	0.731	0.731
% D		**Avg RRF**	**% D Calc**	**% D Reported**		**Avg RRF**	**% D Calc**	**% D Reported**
		1.193	29.19	29.20		0.569	28.48	28.60

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0531BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: 053101 **Date:** 5/31/2006 **Page:** 551
Associated Samples: QC-0531, -11, -11x25, QC-0601, -10x55.6

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Acetone				Tetrachloroethylene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.5	119,948	10,194,527	0.235	0.235	1,093,225	38,451,319	0.569	0.569
10	2,673,460	10,382,802	0.257	0.257	19,874,082	39,049,014	0.509	0.509
20	6,889,922	11,251,149	0.306	0.306	40,251,759	39,545,151	0.509	0.509
30	9,536,421	10,529,369	0.302	0.302	58,391,741	37,092,751	0.525	0.525
40	11,666,329	9,520,314	0.306	0.306	69,566,550	33,532,520	0.519	0.519
Average			0.281	0.281			0.526	0.526
			Calc	Reported			Calc	Reported
%RSD			11.72	11.70%			4.71	4.70%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0601BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: 0601 **Date:** 6/1/2006 **Page:** 612
Initial Calibration File ID: 053101 **Date:** 5/31/2006 **Page:** 551
Associated Samples: QC-0601, -02x25, -04x25, -05x25

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	
Propylene	<30		>0.050						

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30		>0.050	
toluene-d8	<30		>0.050	
4-bromofluorobenzene	<30		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Benzene				Xylene, o			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	31,969,585	50,483,288	0.633	0.633	39,681,222	46,558,169	0.852	0.852
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.603	**Calc**	**Reported**		0.827	**Calc**	**Reported**
			5.02	5.00			3.06	3.10

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID:
Level: Low
Tune File ID: 0606BFB **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: 00606 **Date:** 6/6/2006 **Page:** 569
Associated Samples: QC0606, -10x1.7

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
dichlorodifluoromethane	<30		>0.010		1,1-dichloropropene	<30		>0.010	
chloromethane	<30		>0.050		carbon tetrachloride *	<30		>0.050	
vinyl chloride *	<30		>0.050		benzene *	<30		>0.050	
bromomethane *	<30		>0.050		methylmethacrylate	<30		>0.010	
chloroethane	<30		>0.050		trichloroethene *	<30		>0.050	
acetone	<30		>0.050		1,2-dichloropropane	<30		>0.050	
acetonitrile	<30		>0.010		dibromomethane	<30		>0.010	
allylchloride	<30		>0.010		bromodichloromethane *	<30		>0.050	
acrolein	<30		>0.010		cis-1,3-dichloropropene *	<30		>0.050	
acrylonitrile	<30		>0.010		toluene *	<30		>0.050	
iodomethane	<30		>0.010		ethylmethacrylate	<30		>0.010	
vinyl acetate	<30		>0.010		trans-1,3-dichloropropene	<30		>0.050	
chloroprene	<30		>0.010		1,1,2-trichloroethane *	<30		>0.050	
2-butanone	<30		>0.050		1,2-dibromoethane	<30		>0.010	
carbon disulfide	<30		>0.050		4-methyl-2-pentanone	<30		>0.050	
trichlorofluoromethane	<30		>0.010		chlorobenzene *	<30		>0.050	
1,1-dichloroethene *	<30		>0.050		1,3-dichloropropane	<30		>0.010	
methylene chloride	<30		>0.050		tetrachloroethene *	<30		>0.050	
trans-1,2-dichloroethene	<30		>0.050		dibromochloromethane *	<30		>0.050	
1,1-dichloroethane *	<30		>0.050		2-hexanone	<30		>0.050	
propionitrile	<30		>0.010		1,1,1,2-tetrachloroethane	<30		>0.010	
isobutyl alcohol	<30		>0.010		ethylbenzene *	<30		>0.050	
methacrylonitrile	<30		>0.010		xylenes (total) *	<30		>0.050	
cis-1,2-dichloroethene	<30		>0.050		styrene *	<30		>0.050	
bromochloromethane	<30		>0.050		bromoform *	<30		>0.050	
2,2-dichloropropane	<30		>0.010		trans-1,4-dichloro-2-butene	<30		>0.010	
chloroform *	<30		>0.050		1,1,2,2-tetrachloroethane *	<30		>0.050	
1,2-dichloroethane *	<30		>0.050		1,2,3-trichloropropane	<30		>0.010	
1,1,1-trichloroethane *	<30		>0.050		1,2,4-Trichlorobenzene	<30		>0.010	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Toluene				1,1,1-Trichloroethane			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.5	2,256,434	70,652,232	0.639	0.639	738,904	82,701,729	0.179	0.179
10	33,623,888	58,975,246	0.570	0.570	10,789,167	68,360,285	0.158	0.158
20	65,461,665	55,493,820	0.590	0.590	21,263,221	64,017,151	0.166	0.166
30	99,550,468	57,023,638	0.582	0.582	32,996,446	66,054,464	0.167	0.167
40	147,051,766	67,034,603	0.548	0.548	58,863,148	83,282,046	0.177	0.177
Average			0.586	0.586			0.169	0.169
			Calc	Reported			Calc	Reported
%RSD			5.71	5.70%			5.06	5.10%

O'BRIEN & GERE

DAILY FIELD REPORT
NYSDEC- Sheridan Waste Oil Site
Medford, New York

Job Number: 38688.WA #46 Date: 4/20/06

Field Personnel on Site: John Kleniatis, Chuck Allen, Nancy Zier

Time Arrived at Site 7:30 Weather: Sunny ~70

Visitors: _____

Water supplied by homeowner at 7 Eileen.
Spoke with Agnes Ng from Mitkem she told me that samples could hold for one day on ice.
Sampled GW-1 thru 4.

PID did not register any readings.

Left Site: 1900

O'BRIEN & GERE

DAILY FIELD REPORT
NYSDEC- Sheridan Waste Oil Site
Medford, New York

Job Number: 38688.WA #46 Date: 4/21/06

Field Personnel on Site: John Kleniatis, Chuck Alkin, Nancy Zier

Time Arrived at Site 730 Weather: Sunny ~60

Visitors: _____

Setup decon area on Eileen, then drove around to Peconic to drill GW-5.

PID did not register any readings.

Left Site: 1200

Ground Water Monitoring
NYSDEC Sheridan Waste Oil Site
Medford, New York

General

Well No.: 1
Field Personnel: John Kleniatis, Chuck Allen, Nancy Zier
Weather Conditions: Sunny
Physical Condition of Well: NA
Equipment used: Geoprobe, peristaltic pump

Purging Information

Date: 4/20/06
Purging Time: 15 min Start: NA Stop: NA
Volume to be Purged (3 Vol) NA gal.
Volume Purged: ~1 gal.
Purging Method: p-pump
Purge Water Disposal Method: ~~Containerized for on-site treatment~~ Ground

Measuring Point Elevation: NA ft. amsl
Well Diameter: 3/4" in.
Total Depth of Well Installed (fbmp): NA ft.
Total Depth of Well Measured: 40 ft.
Depth to Water: 27.53 ft.
1 Well Volume: NA gal.

Purge Water Characteristics

Color: Light Brown
Odor: None
Turbidity: NA

Presence of NAPL: No
Other: NA

Sampling Information

Date of Sample Collected: 4/20/06
Time of Sample Collected: 1035
Sample Indentification: 1-52-024-GW-1
Method of Sample Collection: p-pump
Sample Description: Slightly cloudy
Filter Method: None
Type of Perservation if any: HCL
Analytical Method Requested: VOCs - Method 8260

Notes Macro core taken. All sand, water found at about 30'
Slight problem getting pump to pull up 27'.
*EQB Taken after drilling

Ground Water Monitoring
NYSDEC Sheridan Waste Oil Site
Medford, New York

General

Well No.: 2
Field Personnel: JK, CA, NZ
Weather Conditions: Sunny
Physical Condition of Well: NA
Equipment used: Geoprobe, peristaltic pump

Purging Information

Date: 4/20/06
Purging Time: 15min Start: NA Stop: NA
Volume to be Purged (3 Vol) NA gal.
Volume Purged: 2 l gal.
Purging Method: p-pump
Purge Water Disposal Method: [redacted] Ground

Measuring Point Elevation: NA ft. amsl
Well Diameter: 3/4" in.
Total Depth of Well Installed (fbmp): NA ft.
Total Depth of Well Measured: 29 ft.
Depth to Water: 24.17 ft.
1 Well Volume: NA gal.

Purge Water Characteristics

Color: Very light Brown
Odor: None
Turbidity: NA

Presence of NAPL: No
Other: NA

Sampling Information

Date of Sample Collected: 4/20/06
Time of Sample Collected: 1230
Sample Indentification: 1-52-024-GW-2-042006 ; 1-52-024-GW-2-MS/MSD-042006
Method of Sample Collection: p-pump
Sample Description: clear
Filter Method: None
Type of Perservation if any: HCL
Analytical Method Requested: VOCs - Method 8260

Notes *MS/MSD Taken

Ground Water Monitoring
NYSDEC Sheridan Waste Oil Site
Medford, New York

General

Well No.: 3
Field Personnel: JK, CA, MZ
Weather Conditions: Sunny
Physical Condition of Well: NA
Equipment used: Geoprobe, peristaltic pump

Purging Information

Date: 4/20/06
Purging Time: 15 min Start: NA
Stop: NA
Volume to be Purged (3 Vol) NA gal.
Volume Purged: ~1/2 gal.
Purging Method: p-pump
Purge Water Disposal Method: ~~Containerized for on-site treatment~~ Ground

Measuring Point Elevation: NA ft. amsl
Well Diameter: 3/4" in.
Total Depth of Well Installed (fbmp): NA ft.
Total Depth of Well Measured: 35 ft.
Depth to Water: 30.1 ft.
1 Well Volume: NA gal.

Purge Water Characteristics

Color: Light Brown
Odor: None
Turbidity: NA

Presence of NAPL: No
Other: NA

Sampling Information

Date of Sample Collected: 4/20/06
Time of Sample Collected: 1415
Sample Indentification: 1-52-024-GW-3-042006 ; 1-52-024-X-1-042006
Method of Sample Collection: p-pump
Sample Description: clear
Filter Method: None
Type of Perservation if any: HCL
Analytical Method Requested: VOCs - Method 8260

Notes

*FD Taken

Ground Water Monitoring

NYSDEC Sheridan Waste Oil Site

Medford, New York

General

Well No.: 4
Field Personnel: JK, CA, NZ
Weather Conditions: Sunny
Physical Condition of Well: NA
Equipment used: Geoprobe, check valve

Purging Information

Date: 4/20/06
Purging Time: Start: NA
10min Stop: NA
Volume to be Purged (3 Vol) NA gal.
Volume Purged: 2 1/2 gal.
Purging Method: By Hand/check valve

Measuring Point Elevation: NA ft. amsl
Well Diameter: 3/4" in.
Total Depth of Well Installed (fbmp): NA ft.
Total Depth of Well Measured: 40 ft.
Depth to Water: 34.1 ft.
1 Well Volume: NA gal.

Purge Water Disposal Method: ~~Containerized for on-site treatment~~ Ground

Purge Water Characteristics

Color: Light Brown
Odor: None
Turbidity: NA

Presence of NAPL: No
Other: NA

Sampling Information

Date of Sample Collected: 4/20/06
Time of Sample Collected: 1725
Sample Indentification: 1-52-024-GW-4-042006
Method of Sample Collection: Polyethylene tubing/check valve
Sample Description: Cloudy
Filter Method: None
Type of Perservation if any: HCL
Analytical Method Requested: VOCs - Method 8260

Notes Drove down to 35' & ran out of water while purging. Redrove down to 40' & got sample.

Ground Water Monitoring
NYSDEC Sheridan Waste Oil Site
Medford, New York

General

Well No.: 5
Field Personnel: JK, CA, NZ
Weather Conditions: Sunny
Physical Condition of Well: NA
Equipment used: Geoprobe, check valve

Purging Information

Date: 4/21/06
Purging Time: 10 min Start: NA
Stop: NA
Volume to be Purged (3 Vol) NA gal.
Volume Purged: 2 1/4 gal.
Purging Method: Check valve
Purge Water Disposal Method: ~~Containerized for on-site treatment~~ Ground

Measuring Point Elevation: NA ft. amsl
Well Diameter: 3/4" in.
Total Depth of Well Installed (fbmp): NA ft.
Total Depth of Well Measured: 44 ft.
Depth to Water: 35.68 ft.
1 Well Volume: NA gal.

Purge Water Characteristics

Color: Light Brown
Odor: None
Turbidity: NA

Presence of NAPL: No
Other: NA

Sampling Information

Date of Sample Collected: 4/21/06
Time of Sample Collected: 1000
Sample Indentification: 1-52-024-GW-5-042106
Method of Sample Collection: P-pump
Sample Description: Cloudy
Filter Method: None
Type of Perservation if any: HCL
Analytical Method Requested: VOCs - Method 8260

Notes Drove to 40' → had a problem drawing water
Redrove to 44'

Location ID	Point Installed Date	Point Installed Time	Point Installed Depth
1-52-024-V-1D	4/20/06	1105	25
1-52-024-V-1S	4/20/06	1125	8
1-52-024-V-2D	4/20/06	1305	22
1-52-024-V-2S	4/20/06	1320	8
1-52-024-V-3S	4/20/06	1435	8
1-52-024-V-3D	4/20/06	1450	28
1-52-024-V-4S	4/20/06	1730	8
152-024-V-4D	4/20/06	1755	32
1-52-024-V-5S	4/21/06	1020	8
1-52-024-V-5D	4/21/06	1045	33.5

O'BRIEN & GERE

DAILY FIELD REPORT
NYSDEC- Sheridan Waste Oil Site
Medford, New York

Job Number: 38688.WA #46 Date: 4/25/06

Field Personnel on Site: KMB

Time Arrived at Site ~~10~~ 1045am Weather: Sunny 70°

Visitors: _____

8am - 10am field book review, photo downloading, packed up
1030am released samples to Princeton carrier
1045am arrived on site
11am - 5:30pm setup, sampled, ~~removed~~ packed up ~~scan~~ V-1S, 1D, 2S, 2D, 3S, 3D, 4S, 4D, 5S, 5D, + X-1 samples

Left Site: 5:30pm

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location: V-1S

Canister Record
- Canister ID: 2035
- Flow controller ID: 727001
- Sample duration: 2hr
- Sampling rate: —

Sample ID: 1-52-024-V-1S-042506

Date/Time start: 4/25/06 1205 Start pressure: -30

Date/Time end: 4/25/06 1505 End pressure: -3

Complete all that apply:

Air temperature (°F)	70°	PID meter ID	PINE5360	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	16 ppm	Gas analyzer ID	MGD-2002	% Helium (initial)	35% surface
FID reading (ppmv)	—	Ft. tubing used	11'	% Helium (final)	0% subsurface

For indoor location:

- Noticeable odor
- Floor slab depth
- Intake height above floor (ft)
- Intake depth below floor (ft)
- Ground surface type
- Potential vapor entry points observed
- Room
- Story/level

For outdoor location:

- Noticeable odor: None
- Distance to road (ft): 100'
- Direction to closest building (degrees): 180°
- Distance to closest building (ft): 40'
- Intake height above ground level (ft): —
- Intake depth below ground level (ft): 8'
- Soil type: Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location

~~A-2D~~ V-1D

Canister Record

Canister ID 9438B

Flow controller ID 7302152

Sample duration 24

Sampling rate —

Sample ID 1-52-024-V-1D-042506

Date/Time start 4/25/06 1205 Start pressure 0 <-30

Date/Time end 4/25/06 1505 End pressure -1

Complete all that apply:

Air temperature (°F)	70°	PID meter ID	PINE 5360	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	8600 ppb	Gas analyzer ID	MKD-2002	% Helium (initial)	52% surface
FID reading (ppmv)	—	Ft. tubing used	28'	% Helium (final)	0 subsurface

For indoor location:

Noticeable odor

Floor slab depth

Intake height above floor (ft)

Intake depth below floor (ft)

Ground surface type

Potential vapor entry points observed

Room

Story/level

For outdoor location:

Noticeable odor None

Distance to road (ft) 100'

Direction to closest building (degrees) 180°

Distance to closest building (ft) 40'

Intake height above ground level (ft) —

Intake depth below ground level (ft) 2'

Soil type Sand

Comments:

Analytical method required EPA Method TO-15

Laboratory used PRINCETON, NJ

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location: V-25

Canister Record
- Canister ID: 3038
- Flow controller ID: 729715
- Sample duration: 2hr
- Sampling rate: —

Sample ID: I-52-014-V-25-042506

Date/Time start: 4/25/06 1240 Start pressure: -30

Date/Time end: 4/25/06 1440 End pressure: 0

Complete all that apply:

Air temperature (°F)	70°	PID meter ID	PINE5360	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	8000ppb	Gas analyzer ID	MED-2002	% Helium (~~initial~~)	42% surface
FID reading (ppmv)	—	Ft. tubing used	11'	% Helium (~~final~~)	0ppm subsurface

For indoor location:

Noticeable odor	
Floor slab depth	
Intake height above floor (ft)	
Intake depth below floor (ft)	
Ground surface type	
Potential vapor entry points observed	
Room	
Story/level	

For outdoor location:

Noticeable odor	None
Distance to road (ft)	on road
Direction to closest building (degrees)	325°
Distance to closest building (ft)	40'
Intake height above ground level (ft)	—
Intake depth below ground level (ft)	8'
Soil type	Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls

O'BRIEN & GERE — Air/Soil Gas Sampling Form

Project # 38688 — Date 4/25/06

Project Name NYSDEC — Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air | Substructure soil gas | Ambient air | ~~Soil gas~~

Sample Location

V-2D

Canister Record

Canister ID 002

Flow controller ID 7308930

Sample duration 2 hr

Sampling rate —

Sample ID I-52-024-V-2D-042506

Date/Time start 4/25/06 1240 — Start pressure -30

Date/Time end 4/25/06 1440 — End pressure 0

Complete all that apply:

Air temperature (°F)	70°	PID meter ID	PINE536	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	4000 ppb	Gas analyzer ID	MAD-2002	% Helium (initial)	35% surface
FID reading (ppmv)	—	Ft. tubing used	25'	% Helium (final)	0 subsurface

For indoor location:

Noticeable odor

Floor slab depth

Intake height above floor (ft)

Intake depth below floor (ft)

Ground surface type

Potential vapor entry points observed

Room

Story/level

For outdoor location:

Noticeable odor: None

Distance to road (ft): on road

Direction to closest building (degrees): 325°

Distance to closest building (ft): 45'

Intake height above ground level (ft): —

Intake depth below ground level (ft): 22'

Soil type: Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location

V-39

Canister Record

Canister ID 2051

Flow controller ID 7281496

Sample duration 24

Sampling rate —

Sample ID 1-52-024-V-35-042506

Date/Time start 4/25/06 1410 Start pressure -30

Date/Time end 4/25/06 1610 End pressure -5

Complete all that apply:

Air temperature (°F) 65° PID meter ID PINC5360 % O_2 —

Barometric pressure — FID meter ID — % CO_2 —

PID reading (ppmv) 4700 ppb Gas analyzer ID MGD-2002 % Helium (initial) 30% surface

FID reading (ppmv) — Ft. tubing used 11' % Helium (final) 0 surface

For indoor location:

Noticeable odor

Floor slab depth

Intake height above floor (ft)

Intake depth below floor (ft)

Ground surface type

Potential vapor entry points observed

Room

Story/level

For outdoor location:

Noticeable odor None

Distance to road (ft) 5'

Direction to closest building (degrees) 345°

Distance to closest building (ft) 40'

Intake height above ground level (ft) —

Intake depth below ground level (ft) 8'

Soil type Sand

Comments:

Analytical method required EPA Method TO-15

Laboratory used PRINCETON, NJ

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air Soil gas

Sample Location: V-3D

Canister Record

Canister ID 3047

Flow controller ID 7286311

Sample duration 2h

Sampling rate —

Sample ID 1-52-024-V-3D-042506

Date/Time start 4/25/06 1410 Start pressure -30

Date/Time end 4/25/06 1610 End pressure -7

Complete all that apply:

Air temperature (°F) 65° PID meter ID PINE5560 % O_2 —

Barometric pressure — FID meter ID — % CO_2 —

PID reading (ppmv) 20 ppm Gas analyzer ID MGD-2002 % Helium (initial) 30% surface

FID reading (ppmv) — Ft. tubing used 3L' % Helium (final) 0 subsurface

For indoor location:

Noticeable odor

Floor slab depth

Intake height above floor (ft)

Intake depth below floor (ft)

Ground surface type

Potential vapor entry points observed

Room

Story/level

For outdoor location:

Noticeable odor None

Distance to road (ft) 5'

Direction to closest building (degrees) 345°

Distance to closest building (ft) 40'

Intake height above ground level (ft) —

Intake depth below ground level (ft) 28'

Soil type Sand

Comments:

Analytical method required EPA Method TO-15

Laboratory used PRINCETON, NJ

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location

V-45

Canister Record

Canister ID 2847

Flow controller ID 7308932

Sample duration 225

Sampling rate

Sample ID I-52-024-V-45-042506

Date/Time start 4/25/06 1455 Start pressure -28

Date/Time end 4/25/06 1655 End pressure ~~-3~~ 0

Complete all that apply:

Air temperature (°F) 68° PID meter ID PINE5360 % O_2 —

Barometric pressure — FID meter ID — % CO_2 —

PID reading (ppmv) 5900 ppb Gas analyzer ID MGD-2002 % Helium ~~(initial)~~ 30% surface

FID reading (ppmv) — Ft. tubing used 11' % Helium ~~(final)~~ 0 subsurface

For indoor location:

Noticeable odor

Floor slab depth

Intake height above floor (ft)

Intake depth below floor (ft)

Ground surface type

Potential vapor entry points observed

Room

Story/level

For outdoor location:

Noticeable odor None

Distance to road (ft) 5'

Direction to closest building (degrees) 0°

Distance to closest building (ft) 40'

Intake height above ground level (ft) —

Intake depth below ground level (ft) 8'

Soil type Sand

Comments:

Analytical method required EPA Method TO-15

Laboratory used PRINCETON, NJ

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 36688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location: Dup of V-45

Canister Record
- Canister ID: 2038
- Flow controller ID: 7286403
- Sample duration: 2hr
- Sampling rate:

Sample ID: X-1-042506
- Date/Time start: 4/25/06 1455
- Date/Time end: 4/25/06 1655
- Start pressure: 0 <-30
- End pressure: -8

Complete all that apply:

Air temperature (°F)	65°	PID meter ID	PINE 5560	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	5900 ppb	Gas analyzer ID	MKO-2001	% Helium (initial)	30% surface
FID reading (ppmv)	—	Ft. tubing used	11'	% Helium (final)	0 subsurface

For indoor location:
- Noticeable odor
- Floor slab depth
- Intake height above floor (ft)
- Intake depth below floor (ft)
- Ground surface type
- Potential vapor entry points observed
- Room
- Story/level

For outdoor location:
- Noticeable odor: None
- Distance to road (ft): 5'
- Direction to closest building (degrees): 0°
- Distance to closest building (ft): 40'
- Intake height above ground level (ft):
- Intake depth below ground level (ft): 8'
- Soil type: Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location: V-4D

Canister Record
- Canister ID: 2948
- Flow controller ID: 7289117
- Sample duration: 24
- Sampling rate:

Sample ID 1-52-024-V-4D-042506

Date/Time start 4/25/06 1455 Start pressure -30

Date/Time end 4/25/06 End pressure -8

Complete all that apply:

Air temperature (°F)	65°	PID meter ID	PINE5360	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	2800ppb	Gas analyzer ID	MKD2002	% Helium (initial)	32% surface
FID reading (ppmv)	—	Ft. tubing used	35'	% Helium (final)	0 subsurface

For indoor location:

Noticeable odor	
Floor slab depth	
Intake height above floor (ft)	
Intake depth below floor (ft)	
Ground surface type	
Potential vapor entry points observed	
Room	
Story/level	

For outdoor location:

Noticeable odor	None
Distance to road (ft)	5'
Direction to closest building (degrees)	0°
Distance to closest building (ft)	40'
Intake height above ground level (ft)	—
Intake depth below ground level (ft)	32'
Soil type	Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location: V-55

Canister Record
- Canister ID: 3004
- Flow controller ID: 7309560
- Sample duration: 225
- Sampling rate: —

Sample ID: I-SL-024-V-55-042506

Date/Time start: 4/25/06 1145 Start pressure: -30

Date/Time end: 4/25/06 1345 End pressure: -3

Complete all that apply:

Air temperature (°F)	65°	PID meter ID	PINE5360	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	2000 ppb	Gas analyzer ID	MGD-2002	% Helium (initial)	56% surface
FID reading (ppmv)	—	Ft. tubing used	12'	% Helium (final)	0 subsurface

For indoor location:
- Noticeable odor
- Floor slab depth
- Intake height above floor (ft)
- Intake depth below floor (ft)
- Ground surface type
- Potential vapor entry points observed
- Room
- Story/level

For outdoor location:
- Noticeable odor: None
- Distance to road (ft): 20'
- Direction to closest building (degrees): 180°
- Distance to closest building (ft): 30'
- Intake height above ground level (ft): —
- Intake depth below ground level (ft): 8'
- Soil type: Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls

O'BRIEN & GERE

Air/Soil Gas Sampling Form

Project # 38688 Date 4/25/06

Project Name NYSDEC Collector KEVIN BALLOU

Type of sample: (Circle one) Indoor air Substructure soil gas Ambient air (Soil gas)

Sample Location: V-5D

Canister Record
- Canister ID: 3054
- Flow controller ID: 7309559
- Sample duration: 24
- Sampling rate:

Sample ID: SS-024-V-5D-042506

Date/Time start: 4/25/06 1145 Start pressure: -30

Date/Time end: 4/25/06 1345 End pressure: 0

Complete all that apply:

Air temperature (°F)	65°	PID meter ID	PINE 5360	% O_2	—
Barometric pressure	—	FID meter ID	—	% CO_2	—
PID reading (ppmv)	3200 ppb	Gas analyzer ID	MGD-2002	% Helium (initial)	4.1%
FID reading (ppmv)	—	Ft. tubing used	36'	% Helium (final)	0

For indoor location:

- Noticeable odor:
- Floor slab depth:
- Intake height above floor (ft):
- Intake depth below floor (ft):
- Ground surface type:
- Potential vapor entry points observed:
- Room:
- Story/level:

For outdoor location:

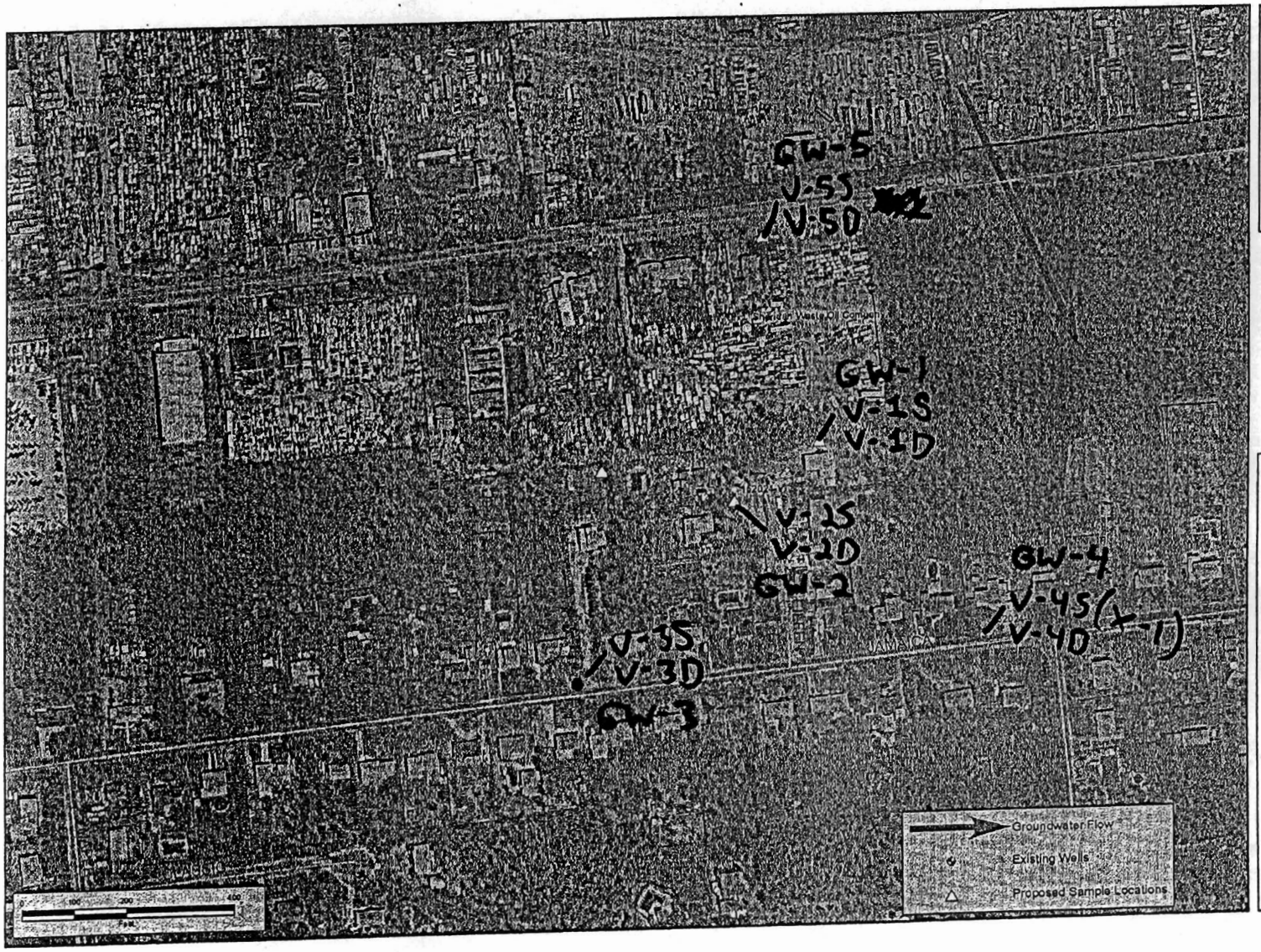
- Noticeable odor: None
- Distance to road (ft): 20'
- Direction to closest building (degrees): 180°
- Distance to closest building (ft): 30'
- Intake height above ground level (ft): —
- Intake depth below ground level (ft): 33.5
- Soil type: Sand

Comments:

Analytical method required: EPA Method TO-15

Laboratory used: PRINCETON, NJ

VIsampleform-Indoor Air.xls



New York State
Department of Environmental Conservation

Division of Environmental Remediation

Map Details

Created in ArcGIS 9.1

Created by: Max Plumer

Date of Last Revision: 1/31/2006

Sheridan Waste Oil Company
Site #: 1-52-140
Suffolk County
Town of Brookhaven

DEC Contact:
Dewes

DOH Contact:
Nealon

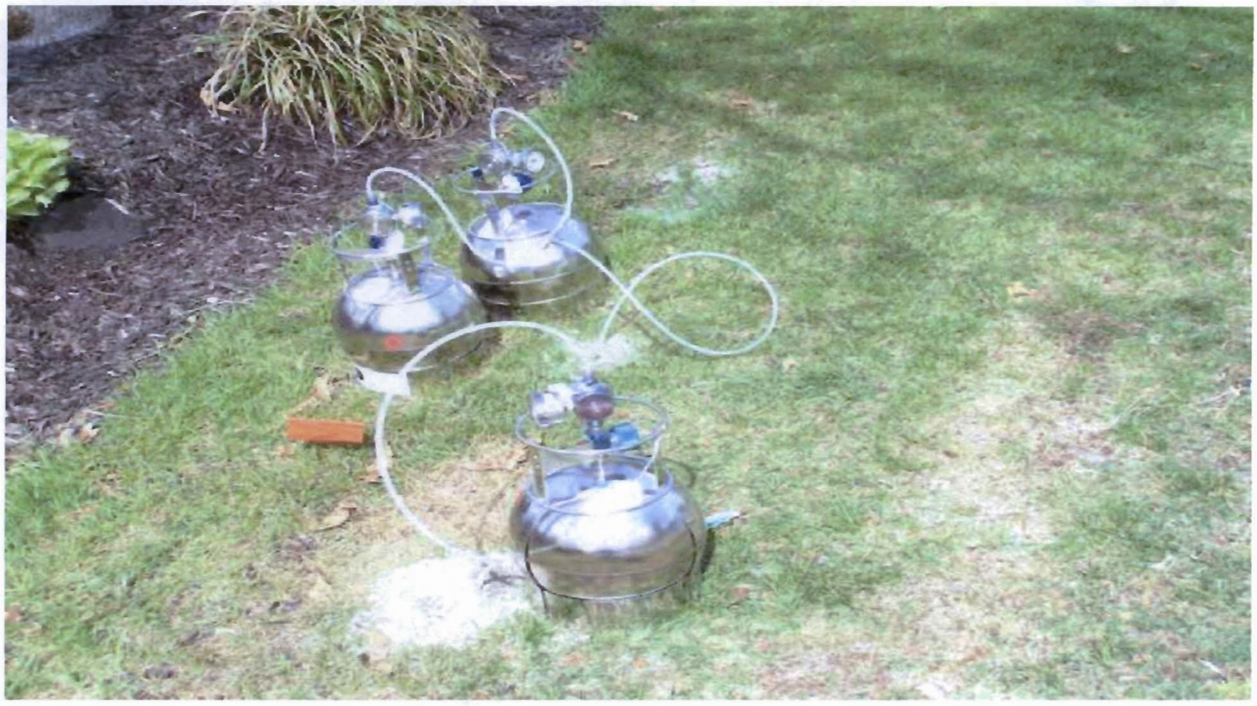
April 2004
Aerial Photography

N
W E
S

North American Datum 1983
UTM Zone 18N

Photograph 1: View of soil vapor points 1S and 1D.
Date photo taken: 4/25/2006

Photograph 2: View of soil vapor points 2S and 2D.
Date photo taken: 4/25/2006



Photograph 3: View of soil vapor samples 4S and 4D (and duplicate of 4S).
Date photo taken: 4/25/2006

Photograph 4: View of soil vapor samples 4S and 4D (and duplicate of 4S).
Date photo taken: 4/25/2006