EA Engineering, Science, and Technology
6712 Brooklawn Parkway, Suite 104
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Phone: 315-431-4610
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LETTER OF TRANSMITTAL

TO: New York State Department of Environmental Conservation, Remedial Bureau A
625 Broadway, 11th Floor
Albany, New York 12207

DATE: 4/11/08	JOB NO.: 14474.29
ATTENTION: Jeff Dyber	
RE: Operation & Maintenance Report – First Quarter National Heatset Printing Co. (1-52-140), East Farmingdale, New York	

WE ARE SENDING YOU [X] Attached [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications

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[ ] **FOR BIDS DUE** _____ 20__ [ ] PRINTS RETURNED AFTER LOAN TO US

REMARKS EA is pleased to provide you with the above listed document. Should you have any questions or comments regarding this submittal, please do not hesitate to contact me at (315) 431-4610.

COPY TO

SIGNED Donald Conan

Donald Conan P.E., Project Manager

If enclosures are not as noted, kindly notify us at once.

EA Engineering, P.C.
EA Science and Technology

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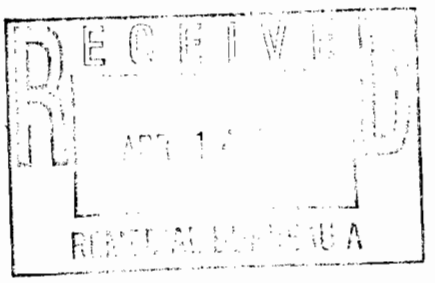
10 April 2008



Mr. Jeff Dyber, P.E. - Environmental Engineer 2
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway
Albany, New York 12233

RE: National Heatset Printing Site / Soil Vapor Extraction System
Operation & Maintenance Report- First Quarter 2008
1 Adams Boulevard, Farmingdale, New York
NYSDEC Site 1-52-140
EA Project No. 14474.29

Dear Mr. Dyber:

This letter provides an overview of the ongoing operation of the soil vapor extraction (SVE) system at the National Heatset Printing Site in Farmingdale, New York (Figure 1). EA Engineering Science & Technology, Inc. (EA) assumed management of the onsite SVE system under Work Assignment No. D004441-29. The activities are being conducted under the NYSDEC State Superfund Standby Contract. The last monitoring event conducted by the previous consultant, O'Brien & Gere, was on October 31, 2007. As part of the management transition, the November and December 2007 monitoring events have been included in the First Quarter 2008 O&M Report. SVE system details are presented in an Operation & Maintenance Manual (Shaw, 2003).

In accordance with our approved Work Plan, monthly site visits were performed on the following dates by YEC personnel on behalf of EA.

Date	Purpose
November 28, 2007	Monthly Visit (November 2007)
January 4, 2008	Monthly Visit (December 2007)
January 23, 2008	Monthly Visit (January 2008)
February 28, 2008	Monthly Visit (February 2008)

1. SYSTEM OPERATION

Based on the run time meter, the system was operational for a total of 2,118 hours out of an available 2,880 (approximately 74% of the total available) during this reporting period (October 31, 2007 to February 28, 2008). According to the run time meter, the system is estimated to have shut down on or about January 27, 2008 due to motor failure. The system was found OFF on

arrival during the February 28, 2008 visit, and the YEC technician was unable to restart. On 14 March 2008, Gary Electric evaluated the motor and identified an undersized motor starter that damaged the motor's windings. Operational data for this period has been based on the measurements and effluent sample data collected on the dates listed above. The dilution valve remained in the 50% open position. The extraction well (MW-F) valve remained at the 100% open position.

Operational data is summarized in Table 1 and on the site visit data collection forms provided in Appendix A. Key operating parameters for the SVE system are summarized below:

Date	Extraction Well Flow rate (cfm)	Extraction Well Vacuum (" H2O)	SVE Blower Flow rate (cfm)	PCE Conc.[1] (ppm)	VOC Conc.[2] (ppm)
11/28/07	79	27	211	1.0	9.5
1/4/08 [3]	102.4	28	268	0	7.0
1/23/08	114	36	222	0	6.6
2/28/08 [4]	NA	NA	NA	NA	NA

[1]PCE concentration measured via Draeger tube.
[2]VOC concentration measured via photoionization detector (PID).
[3]The December 2007 O&M visit was conducted on January 4, 2008.
[4]The system was found OFF on arrival, technician was unable to restart.

NOTE: cfm = Cubic feet per minute.
PCE = Tetrachloroethylene.
ppm = Part per million.
VOC = Volatile organic compound.
NA = Not Applicable.

No VOC concentrations (by PID), or PCE concentrations (by Draeger Tube), were observed from the Vapor-phase Granular Activated Carbon (VGAC) mid sampling port, or the effluent sampling port during the reporting period. Complete operational data collected are presented in Table 1.

2. MONITORING PROBES

The following vacuum data (inches of water column) were observed at the listed vapor monitoring points during the monitoring period.

Vapor Monitoring Point	Nov. 28, 2007	January 4, 2008 (December 2007)	January 23, 2008	February 28, 2008
VP-1	1.36	1.56	1.6	NA
VP-2	0.25	0.25	0.29	NA
VP-3	0.18	0.14	0.14	NA
VP-7	0.3	0.28	0.34	NA
VP-8	0.25	0.15	0.16	NA
VP-9	0.16	0.09	0.21	NA
VP-10	0.23	0.28	NA	NA
VP-11	0.09	0.14	0.15	NA
VP-12	0.01	0.01	0.03	NA

VP-13	0.0	0.0	0.0	NA
VP-14	0.0	0.0	0.0	NA
VP-15	0.0	0.0	0.0	NA
(NA) Not Applicable.				

The vapor points will continue to be monitored during future site visits.

3. DEPTH-TO-WATER MEASUREMENTS

The following gauging data (feet below top-of-casing) were collected during the monitoring period.

Date	MW-C	MW-E	MW-G
11/28/07	17.12	17.12	17.32
1/4/08	17.09	17.09	17.25
1/23/08	16.61	16.61	16.8
2/28/08	15.33	15.33	15.49

The water table rose approximately 1.8 ft during the monitoring period. The wells will continue to be gauged during future site visits.

4. PCE REMOVAL

PCE removal was calculated for this reporting period using SVE influent PCE concentrations and flow rates measured at the SVE influent sampling point. The SVE system removed approximately 4 lb of PCE from the extraction well during this reporting period, and has removed approximately 2,601 lb of PCE to date. A summary of the estimated PCE mass removal over time is presented in Table 2.

5. AIR DISCHARGE MONITORING

YEC personnel collected grab air samples from the system effluent using Tedlar bags and submitted the samples to Mitkem Corporation for analysis. The samples were analyzed for VOCs using USEPA Method TO-14. Concentrations of PCE, trichloroethene (TCE), and cis-1,2-Dichloroethene (cis-1,2-DCE) were not detected above the method detection limit of 1.0 mg/m^3. Analytical results are summarized in Table 3 and the laboratory data reports are presented in Appendix B. A summary of the field monitoring and laboratory air discharge analytical results are presented as Table 4.

Based on the effluent sampling results, no PCE, TCE, or cis-1, 2-DCE was discharged during the reporting period. A total of 0.27 lb of PCE has been discharged during the year 2007 toward the permitted annual discharge limit of 270 lb. A total of 0.12 lb of cis-1,2-DCE has been discharged during the year 2007 toward the permitted annual discharge limit of 5,510 lb. A total of 0.00 lb of TCE has been discharged during the year 2007 toward the permitted annual discharge limit of 120 lb.

No contaminants of concern have been discharged in 2008.

6. CONCLUSIONS AND RECOMMENDATIONS

Based on the data collected from the SVE system during this reporting period, EA recommends repairing the blower motor and continue operation of the SVE system.

Please do not hesitate to contact me at 315-431-4610 with any questions you might have regarding this report.

Sincerely,

EA ENGINEERING, SCIENCE &
TECHNOLOGY, INC.

Donald F. Conan, P.E.
Project Manager

DEC/cmd

Enclosures

TABLE 1 SUMMARY OF SOIL VAPOR EXTRACTION SYSTEM READINGS

Date	Run Time Meter Reading (hours)	Run Time Since Last Visit (hours)		Operation Time Since Last Visit (%)	Dilution Valve Position (% Open)	Extraction Well MW-F Valve Position (% Open)	Air Flow at Well (scfm)	Vacuum at Well (inches H2O)	Pre-Dilution PID (ppm)	Pre-Dilution PCE (ppm)	Influent SVE					Mid GAC				Effluent GAC			
											Blower Flow (cfm)	Vacuum (inches H2O)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)
		Available	Actual																				
9/18/2002	--	--	--	SVE PILOT TEST STARTUP																			
9/30/2002	304	294	294	100%	100	50	34.5	5	2,000	500	256	25	107.2	1,015	--	317	102.3	0	--	290	89.5	0	--
10/14/2002	642	343	338	99%	100	50	38	7	1,011	400	258	27	--	75.3	50	--	--	0	--	--	--	0	--
11/19/2002	1508	882	866	98%	100	50	49	12	0	0	120	28	106	0	0	209	92	0	--	290	80.3	0	--
12/4/2002	--	368	--	--	--	--	--	--	77	200	--	--	--	14.3	10	--	--	15.5	10	--	--	0	0
12/16/2002	2153	294	645	98%	100	50	36.5	10	560	200	253	28	92	46.4	50	302	60	3.4	--	340	53.9	0	--
1/21/2003	3016	882	863	98%	100	50	--	--	--	--	70	52	98	0	0	220	--	0	--	220	--	0	--
2/10/2003	3496	490	480	98%	100	50	38	--	639	400	262	27	102	72	50	266	90	26	10	258	83	3.2	10
3/18/2003	4360	882	864	98%	100	50	92	12	125	100	266	25	123	15	10	278	124	0	0	282	117	0	0
4/29/2003	5359	1029	999	97%	75	50	75	50	152	50	132	16	118.5	48.2	25	302	96	18.6	10	287	86	0.6	0
5/13/2003	5700	343	341	99%	75	50	78	--	127	50	239	48	130	41.8	50	246	108	46	25	245	97	0.6	0
6/30/2003	6850	1176	1150	98%	50	50	115	32	82.4	50	140	66	173	36.8	50	198	157	25.1	25	240	150	29.8	100
7/10/2003	6851	245	1	0%	50	50	99.5	25	406	400	151	68	156	221	215	260	76	0	0	222	81.9	0	0
7/22/2003	7144	294	294	100	50	50	--	--	127	--	--	--	168	65	--	--	107	0	--	--	106	0	--
8/26/2003	7957	858	813	95	50	50	79	13.5	137	10	186	65	170	51.4	5	291	--	55.4	10	232	--	35.6	10
9/23/2003	8274	686	317	46	50	50	218	33	141	15	194	64	160	55	30	254	124	0	0	210	110	0	0
10/21/2003	8945	686	671	98	50	50	166	45	--	20	158	68	166	37.5	25	214	130	30.7	15	225	112	0	0
11/24/2003	9749	833	805	97	50	50	130	46	141	125	178	72	138	261	200	225	52	0	0	205	51.4	0	0
1/6/2004	9750	1054	1	0	50	50	98.5	74	118	100	164	12	140	247	250	224	48.6	0	0	200	48.4	0	0
2/9/2004	10336	833	586	70	50	50	121	44	23.1	10	172	70	155.8	29.8	25	233	137	41.4	25	235	117	0	0
3/30/2004	11289	1225	953	78	50	50	103	>50	34	<10	198	70	160	22	<10	240	128	22	<10	160	115	24	<5
4/8/2004	11441	221	152	69	50	75	127	--	23.7	<10	--	--	--	--	--	180	83	30	--	206	83	0.9	--
4/29/2004	11768	515	327	64	50	75	131	>60	2.4	0	--	76	170	2.2	0	209	128	0	0	255	116	0	0
5/24/2004	12264	613	496	81	50	75	144	75	43.8	50	172	75	178	33.1	<50	250	121	4.4	0	198	111	0	0
6/22/2004	12817	711	553	78	50	75	127	74	57	10	140	76	180	52	30	181	123	25.8	15	210	113	0	0
7/28/2004	13630	882	813	92	50	75	142	76.5	53.2	7	161	76.5	159	41.1	25	216	137	35.3	20	181	109	3.1	0
8/31/2004	13989	833	359	43	25	90	157	58	48	0	104	74	137	202	200	180	98	2.2	0	187	91	0.1	0
9/29/2004	14256	711	267	38	50	75	139	60	--	--	140	76	153	27.7	--	194	126	0	--	205	102.1	0	--
10/20/2004	14729	515	473	92	50	75	155	58	--	--	120	76	160	19.1	10	202	122	0	0	230	101	0	0
11/17/2004	15229	686	499	73	75	50	160	80	17.9	<5	148	77	160	13.5	<10	152	112	7.2	<5	173	94	0	0
12/22/2004	15565	858	337	39	75	50	143	80	15.8	<5	125	85	160	18.3	10	127	116	16	5	131	93.4	0	0
1/20/2005	15933	711	368	52	25	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/23/2005	15933	833	0	0	75	50	87.5	36	174	50	188	58	110	93	50	265	56	0	0	245	38.5	0	0
3/29/2005	16217	833	284	34	75	50	87[1]	40	--	--	158[1]	--	121	6.4	4.5	255[1]	97	3.4	3	234[1]	81	0	<2
4/28/2005	--	720	720[2]	100	75	50	86	39	--	--	227	--	126	8.9	5	244	109	8	4	222	84.2	0	<2
5/31/2005	--	792	792[2]	100	50	50	98	39	7.4	9.5	208	--	124.2	10.4	10	227	118.6	17.6	10	223	112.3	0	<2
6/24/2005		576	576[2]	100	50	50	125	25	28.5	16	266	--	152	8.3	7	283	133	13.9	16	242	116	10.1	15
8/4/2005	17972	984	984[2]	100	75	65	216	26	38.1	19	353	--	153.4	8.8	12	423	135.7	10.5	12	381	120.7	7.5	12
Spent Carbon Replaced 8/10/05																							
9/13/2005	859	960	960[2]	100	75	50	89.5	25	59.6	14	226	--	164.5	18.3	12	265	143	0.5	0	248	124.6	0	0
10/10/2005	1502	643	643	100	75	35	86	27	59.2	19	222	--	101.3	21.7	10	225	110	15.1	0	211	99.3	0	0
11/11/2005	2271	769	769	100	50	50	79	31	--	5	209	--	110.9	12.2	9	242	99.4	2.6	2	239	83.1	0	0

Notes:

[1] Calculated flows based on the average of flows measured on 3-29-05 and 4-28-05

[2] Run time meter reading not indicitive of SVE system run time; actual hours run is assumed 100% of available.

PID = Total VOC concentration measured with photoionization detector

ppm = parts per million (volume/volume basis)

PCE = Tetrachloroethene (PCE) concentration measured with Drager tube of 10-500 ppm range

scfm = standard cubic feet per minute

cfm = cubic feet per minute

-- = measurement not recorded or not applicable.

Influent SVE = Readings collected between the SVE Blower and the Carbon Units

Mid GAC = Readings collected between the lead and lag carbon units

Effluent GAC = Readings collected after the lag carbon unit

GAC = granular activated carbon unit

As of 4/28/05, the calculation of "Available" run time hours is based on 24 hours, rather than 24.5 hours as prevously calculated.

TABLE 1 SUMMARY OF SOIL VAPOR EXTRACTION SYSTEM READINGS

Date	Run Time Meter Reading (hours)	Run Time Since Last Visit (hours)		Operation Time Since Last Visit (%)	Dilution Valve Position (% Open)	Extraction Well MW-F Valve Position (% Open)	Air Flow at Well (scfm)	Vacuum at Well (inches H2O)	Pre-Dilution PID (ppm)	Pre-Dilution PCE (ppm)	Influent SVE					Mid GAC				Effluent GAC			
		Available	Actual								Blower Flow (cfm)	Vacuum (inches H2O)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)
12/8/2005	2918	647	647	100%	50	50	79	29	22.2	5.0	235	--	113.5	7.2	2.0	227	96.7	6.8	2	212	79.8	0.1	0.0
1/6/2006	3614	696	696	100%	50	75	120	42	2.7	2.0	245	--	82	32.5	4.0	280	83.9	19.0	2.0	265	77.5	5.8	0.0
Spent Carbon Replaced 1/25/06																							
2/6/2006	4332	744	718	100%	75	75	80	25	16.3	3.0	292	--	78	3.6	2.0	333	90.9	0.0	0.0	322	77	0.0	0.0
3/14/2006	5200	868	868	100%	75	75	188	49	12.9	2.0	212	--	132.8	5.5	5.0	287	135.6	0.0	0.0	232	115.1	0.0	0.0
4/12/2006	5895	695	695	100%	75	75	115	47	14.1	2.0	259	--	152.1	6.1	6.0	249	153.2	0.0	0.0	271	135.1	0.0	0.0
5/4/2006	6420	525	525	100%	50	75	189	51	17.9	2.0	199	--	145.2	7.8	5.0	186	136.1	0.1	0.0	214	117.8	0.0	0.0
6/12/2006	7354	934	934	100%	50	100	156	53	5.5	4.0	216	--	141	7.9	9.0	270	134	4.1	3.0	253	116	0.0	0.0
7/12/2006	8074	720	720	100%	50	100	163	54	8.1	2.0	191	--	146	8.3	8.0	210	145	8.8	10.0	196	134	0.0	0.0
8/7/2006	8696	622	622	100%	50	100	136	54	11.3	4.0	201	--	148.7	8.7	7.5	239	135.6	2.0	0.0	210	118.3	0.0	0.0
9/21/2006	9781	1085	1085	100%	50	100	124.5	53	8.9	4.0	227	--	127	7.7	9.0	143	106.9	9.7	7.0	203	99.2	2.1	0.0
Spent Carbon Replaced 10/11/06																							
10/18/2006	10417	636	636	100%	50	100	130	54	1.0	4.0	231	--	154.8	6.0	8.0	154	130.3	0.0	0.0	236	131.1	0.0	0.0
11/29/2006	11425	1008	1008	100%	50	100	130	52	0.6	1.0	193.5	--	138.8	1.6	4.0	226	137.8	0.0	0.0	202	118.0	0.0	0.0
12/21/2006	11953	528	528	100%	50	100	132	54	0.1	1.0	178	--	107.8	4.6	3.0	254	107.4	0.0	0.0	210	93.3	0.0	0.0
1/26/2007	12820	867	867	100%	25	100	156	80	0.0	0.0	142.5	--	135.0	0.4	4.0	123	124.0	0.0	0.0	142	102.3	0.0	0.0
3/19/2007	13296	1248	476	38%	25	100	162.5	80	0.2	2.0	135	--	140.7	7.3	5.0	215	110.1	2.4	0.0	172	120.0	0.0	0.0
4/27/2007	13964	936	668	71%	25	100	218.0	88	0.0	15.0	126	--	180.2	51.7	20.0	149	69.1	0.0	0.0	125	66.8	0.0	0.0
5/24/2007	13968	648	4	1%	25	75	135	84	15.2	1.8	100	--	127	108.0	35.0	181	123	0.7	0.0	170	106	0.0	0.0
6/21/2007	13984	672	16	2%	25	100	232	40	1.8	35.0	130.5	--	107	61.1	38.0	228	107	1.7	0.0	199	89	0.1	0.0
7/24/2007	14775	792	792	100%	50	100	75	29	13.2	2.0	205	--	132.6	3.5	3.0	202	140.5	1.9	0.0	194	138.4	0.0	0.0
8/28/2007	15615	840	840	100%	50	100	85.5	20	16.3	2.0	232	--	139.2	2.7	0.0	190	144.5	3.5	0.0	184	129.1	0.0	0.0
9/18/2007	16120	504	504	100%	50	100	99.2	28	11.7	2.0	214.5	--	138.5	5.2	0.0	184	16.8	1.4	2.0	164	129.8	0.0	0.0
10/31/2007	17151	1032	1032	100%	50	100	80	25	9.9	2.0	216	--	111.9	1.1	0.0	206	118.4	0.0	0.0	231	104.7	0.0	0.0
11/28/2007	17825	672	674	100%	50	100	79	27	9.5	1.0	211	--	117	0.4	0.0	247	116	0.0	0.0	213	110	0.0	0.0
1/4/2008	18714	888	889	100%	50	100	102.4	28	7.0	0.0	268	--	110	0.0	0.0	318	116	0.0	0.0	243	96	0.0	0.0
1/23/2008	19171	456	457	100%	50	100	114	36	6.6	0.0	222	--	112	0.6	0.0	266	126	0.0	0.0	192	108	0.0	0.0
2/28/2008	19269	864	98	11%	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

[1] Calculated flows based on the average of flows measured on 3-29-05 and 4-28-05

[2] Run time meter reading not indicitive of SVE system run time; actual hours run is assumed 100% of available.

PID = Total VOC concentration measured with photoionization detector

ppm = parts per million (volume/volume basis)

PCE = Tetrachloroethene (PCE) concentration measured with Drager tube of 10-500 ppm range

scfm = standard cubic feet per minute

cfm = cubic feet per minute

-- = measurement not recorded or not applicable.

Influent SVE = Readings collected between the SVE Blower and the Carbon Units

Mid GAC = Readings collected between the lead and lag carbon units

Effluent GAC = Readings collected after the lag carbon unit

GAC = granular activated carbon unit

As of 4/28/05, the calculation of "Available" run time hours is based on 24 hours, rather than 24.5 hours as prevously calculated.

TABLE 2 PCE REMOVAL ESTIMATE

Date	VOC Influent Concentration (ppmv)	PCE Influent Concentration (ppmv)	% PCE of Total VOCs	Extraction Well Flow Rate (cfm) (2)	Elapsed Time Since Last Visit (day)	PCE Removal Since Last Visit (lb)	Cumulative PCE Removal (lb)
9/18/2002	SVE PILOT TEST STARTUP						
9/30/2002	2000 [1]	500 [1]	25.0	34.5	12	126	126
10/14/2002	1,011	400	39.6	38	14	127	253
11/19/2002	0	0	--	49	36	113	367
12/16/2002	560	200	35.7	36.5	27	69	436
1/13/2003	485	400	82.5	28.5	28	154	589
1/21/2003	0	0	--	0	8	63	652
2/10/2003	639	400	62.6	38	20	64	715
3/5/2003	263	200	76.0	24.4	23	129	844
3/18/2003	125	100	80.0	92	13	76	920
4/29/2003	152	50	32.9	75	42	105	1,025
5/13/2003	127	50	39.4	78	14	65	1,090
6/30/2003	82.4	50	60.7	115	48	89	1,179
7/22/2003	406	400	98.5	99.5	12	187	1,367
8/26/2003	137	10	7.3	79	35	276	1,643
9/23/2003	141	15	10.6	218	14	14	1,657
10/21/2003	37.5	20	53.3	166	28	41	1,698
11/24/2003	141	125	88.7	130	34	179	1,877
1/6/2004	118	100	84.7	98.5	43	--	1,877
2/9/2004	23.1	10	43.3	121	34	91	1,968
3/30/2004	22	10	45.5	103	50	22	1,990
4/29/2004	2.4	0	0.0	131	30	8	1,999
5/24/2004	43.8	50	114.2	144	25	49	2,047
6/22/2004	57	10	17.5	127	29	54	2,102
7/28/2004	53.2	7	13.2	142	36	21	2,122
8/12/2004	48	0	0	157	15	8	2,130
9/29/2004	27.7	0	--	139	48	0	2,130
10/20/2004	19.1	10	--	140	21	14	2,144
11/17/2004	17.9	10	55.9	160	28	16	2,160
12/22/2004	15.8	5	31.6	143	35	9	2,169
1/20/2005	--	--	--	--	--	--	--
2/23/2005	174	50	28.7	87.5	34	--	--
3/29/2005	6.4	4.5	70.3	158	34	11	2,180
4/28/2005	8.9	5	56.2	227	30	10	2,190
5/31/2005	10.4	10	96.2	208	33	18	2,208
6/24/2005	8.3	7	84.3	266	24	16	2,224
8/4/2005	8.8	12	136.4	353	41	39	2,263

[1] VOC concentrations of 2,000 ppm and PCE concentrations of 500 ppm are greater than the limit of their respective monitoring device and are to be taken as estimations.

[2] SVE Influent (post-dilution) monitoring point data used for calculation of PCE Removal for dates including and subsequent to March 29, 2005; Removal updated on 1-3-06 to represent SVE Influent flow rate.

Removal Rate = [(flow(cfm)*influent conc.(ppmv)*MW*12.187)/(273.15+C)]*1 cu. m./35.31 cu. ft*1g/1000 mg*1 lb/453.6 g *60 min/1 hr*24 hr/1 day*days of operation

[3] Run time meter reading not indictitive of SVE system run time; actual hours run is assumed equal to elapsed time.

NOTE: MW = molecular weight
Molecular weight (MW) of PCE is 165.85
C = degrees centigrade, as measured
flow = average of the present and the previous months measured SVE influent rate in cubic feet per minute (cfm)
lb = pounds
ppmv = parts per million (volume/volume basis)
-- = information not available

TABLE 2 PCE REMOVAL ESTIMATE

Date	VOC Influent Concentration (ppmv)	PCE Influent Concentration (ppmv)	% PCE of Total VOCs	SVE Influent Flow Rate (cfm) (2)	Elapsed Time Since Last Visit (day)	PCE Removal Since Last Visit (lb)	Cumulative PCE Removal (lb)
Spent Carbon Replaced 8/10/05							
9/13/2005	18.3	12	65.6	226	40	43	2,306
10/10/2005	21.7	10	46.1	222	27	22	2,328
11/11/2005	12.2	9	73.8	209	32	25	2,353
12/8/2005	7.2	2	27.8	235	27	12	2,365
1/6/2006	32.5	4	12.3	245	29	8	2,373
Spent Carbon Replaced 1/25/06							
2/6/2006	3.6	2	55.6	292	30	10	2,383
3/14/2006	5.5	5	90.9	212	36	13	2,396
4/12/2006	6.1	6	98.4	259	29	14	2,410
5/4/2006	7.8	5	64.1	199	22	9	2,419
6/12/2005	7.9	9	113.9	216	39	18	2,437
7/12/2006	8.3	8	96.4	191	30	17	2,454
8/7/2006	8.7	7.5	86.2	201	26	13	2,467
9/21/2006	7.7	9	116.9	227	45	27	2,494
Spent Carbon Replaced 10/11/06							
10/18/2006	6	8	133.3	231	27	17	2,511
11/29/2006	1.6	4	250.0	193.5	42	18	2,529
12/21/2006	4.6	3	65.2	178	22	5	2,534
1/26/2007	0.4	4	1000.0	142.5	36	7	2,541
3/19/2007	0.2	2	1000.0	135	20	3	2,544
4/27/2007	0	15	--	126	28	9	2,553
5/24/2007	15.2	1.8	11.8	127	0.2	0.00	2,553
6/21/2007	1.8	35.0	1944.4	130.5	0.7	1	2,554
7/24/2007	13.2	2	15.2	205	33.0	29	2,583
8/28/2007	16.3	2.0	12.3	206	35.0	5	2,588
9/18/2007	11.7	2.0	17.1	207	21.0	3	2,591
10/31/2007	9.9	2.0	20.2	208	43.0	6	2,597
11/28/2007	9.5	1	10.5	211	28.1	3	2,600
1/4/2008	7	0	0.0	268	37.0	1	2,601
1/23/2008	6.6	0	0.0	222	19.0	0	2,601
2/28/2008	--	--	--	--	4.1	--	2,601

[1]Elapsed time for the 1-26-07 to 3-19-07 time period is 52 days, however, the system was down for repair during that time. The run time meter indicates that the system was operated for 20 days of that time period.

TABLE 3 AIR SAMPLE ANALYTICAL RESULTS

SVE Influent Concentration (mg/m3)			
Date	**cis-1,2-Dichloroethene**	**Tetrachloroethene (PCE)**	**Trichloroethene**
9/18/2002	5	600E	31
9/30/2002	ND (5)	360E	23
10/14/2002	--	--	--
11/19/2002	--	--	--
VGAC Effluent Concentration (mg/m3)			
Date	**cis-1,2-Dichloroethene**	**Tetrachloroethene (PCE)**	**Trichloroethene**
9/18/2002	--	--	--
9/30/2002	--	--	--
10/14/2002	--	--	--
11/19/2002	--	--	--
12/16/2002	ND (5)	ND (5)	ND (5)
1/21/2003	--	--	--
2/10/2003	ND (5)	8	6
3/18/2003	--	--	--
4/29/2003	--	--	--
5/13/2003	ND (1)	5	ND (1)
6/30/2003	--	--	--
7/22/2003	ND (1)	ND (1)	ND (1)
8/26/2003	ND (5)	29	3.6
9/23/2003	ND (5)	ND (5)	ND (5)
10/21/2003	ND (5)	ND (5)	ND (5)
11/24/2003	--	--	--
1/6/2004	--	--	--
2/9/2004	10	ND (5)	ND (5)
3/30/2004	2J	77	1J
4/29/2004	ND (5)	10	ND (5)
5/24/2004	ND (1)	ND (1)	ND (1)
6/22/2004	ND (1)	ND (1)	ND (1)
7/28/2004	ND (5)	ND (5)	ND (5)
8/12/2004	--	--	--
9/29/2004	ND (1)	ND (1)	ND (1)
10/20/2004	ND (1)	ND (1)	ND (1)
11/17/2004	ND (1)	ND (1)	ND (1)
12/22/2004	ND (1)	ND (1)	ND (1)
1/20/2005	--	--	--
3/29/2005	2	ND (1)	ND (1)
4/28/2005	1	0.5J	ND (1)
5/31/2005	1	5	2
6/24/2005	0.8J	64	2
8/4/2005	0.7J	57	1J
Spent Carbon Replaced 8/10/05			
9/13/2005	ND (1)	ND (1)	ND (1)
10/10/2005	ND (1)	ND (1)	ND (1)
11/11/2005	ND (1)	ND (1)	ND (1)
12/8/2005	ND (1)	ND (1)	ND (1)
1/6/2006	ND (1)	ND (1)	ND (1)
Spent Carbon Replaced 1/25/06			
2/6/2006	ND (1)	1	ND (1)

Notes:
Only compounds that were detected above the method reporting limit were presented above
ND (5) = Not detected above method reporting limit in parenthesis
E = Concentation exceeded calibration range
-- = sample not collected
SVE = Soil vapor extraction
J = Estimated Value
VGAC = vapor-phase granular activated carbon
mg/m3 = milligrams per cubic meter

TABLE 3 AIR SAMPLE ANALYTICAL RESULTS

VGAC Effluent Concentration (mg/m3)			
Date	**cis-1,2-Dichloroethene**	**Tetrachloroethene (PCE)**	**Trichloroethene**
3/14/2006	ND (1)	ND (1)	ND (1)
4/12/2006	ND (1)	0.6J	ND (1)
5/4/2006	ND (1)	ND (1)	ND (1)
6/12/2006	ND (1)	ND (1)	ND (1)
7/12/2005	0.6 J	ND (1)	ND (1)
8/7/2006	ND (1)	1	ND (1)
9/21/2006	0.4 J	2	0.8 J
Spent Carbon Replaced 10/11/06			
10/18/2006	No sample collected		
11/29/2006	ND (1)	0.9J	ND (1)
12/28/2006	ND (1)	ND (1)	ND (1)
(sample collected 12/21/06 lost due to tedlar bag leak; replacement sample collected 12/28/06)			
1/26/2007	ND (1)	ND (1)	ND (1)
3/19/2007	ND (1)	ND (1)	ND (1)
(sample collected 3/12/07 following SVE system repair)			
4/27/2007	ND (1)	ND (1)	ND (1)
5/24/2007	ND (1)	ND (1)	ND (1)
6/21/2007	ND (1)	ND (1)	ND (1)
7/24/2007	ND (1)	0.22 J	ND (1)
8/28/2007	0.29 J	0.35 J	ND (1)
9/18/2007	ND (1)	ND (1)	ND (1)
10/31/2007	ND (1)	ND (1)	ND (1)
11/28/2007	ND (1)	ND (1)	ND (1)
1/4/2008	ND (1)	ND (1)	ND (1)
1/23/2008	ND (1)	ND (1)	ND (1)
2/28/2008	--	--	--

TABLE 4 AIR DISCHARGE MONITORING

Date	System Effluent Flow Rate (cfm)	Field Monitoring		Elapsed Time (day)	Laboratory Results			Discharge based on Field Monitoring		Discharge based on Laboratory Results					
		PCE System Effluent Concentration (ppmv)	System Effluent VOC Concentration (ppmv)		PCE (mg/cu m.)	TCB (mg/cu m.)	cis-1,2-DCE (mg/cu m.)	PCE Discharge Since Last Visit (lb/hr)	PCE Discharge Since Last Visit (lb)	PCE Discharge Since Last Visit: lb/hr	PCE Discharge Since Last Visit (lb)	TCE Discharge Since Last Visit (lb/hr)	TCE Discharge Since Last Visit (lb)	cis-1,2-DCE Discharge Since Last Visit (lb/hr)	cis-1,2-DCE Discharge Since Last Visit (lb)
9/18/2002	SVE PILOT TEST STARTUP														
9/30/2002	290	--	0	12	--	--	--	--	--	--	--	--	--	--	--
10/14/2002	--	--	0	14	--	--	--	--	--	--	--	--	--	--	--
11/19/2002	290	--	0	36	--	--	--	--	--	--	--	--	--	--	--
12/16/2002	340	--	0	27	ND (5)	ND (5)	ND (5)	--	--	0.00	0.00	0.00	0.00	0.00	0.00
1/13/2003	45	0	--	28	--	--	--	0.0000	0.00	--	--	--	--	--	--
1/21/2003	220	--	0	8	--	--	--	--	--	--	--	--	--	--	--
2/10/2003	258	10	3.2	20	8.0	6.0	ND (5)	0.0654	31.40	0.008	3.71	0.006	2.78	0.00	0.00
3/5/2003	305	--	0	23	--	--	--	--	--	--	--	--	--	--	--
3/18/2003	282	0	0	13	--	--	--	0.0000	0.00	--	--	--	--	--	--
4/29/2003	287	0	0.6	42	--	--	--	0.0000	0.00	--	--	--	--	--	--
5/13/2003	245	0	0.6	14	5.0	ND (1)	ND (1)	0.0000	0.00	0.005	1.54	0.00	0.00	0.00	0.00
6/30/2003	240	100	29.8	48	--	--	--	0.3043	350.56	--	--	--	--	--	--
7/22/2003	222	--	0	12	ND (1)	ND (1)	ND (1)	--	--	0.00	0.00	0.00	0.00	0.00	0.00
8/26/2003	232	10	35.6	35	29.0	3.6	ND (5)	0.0588	49.42	0.025	21.17	0.003	2.63	0.00	0.00
9/23/2003	210	0	0	28	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
10/21/2003	225	0	0	28	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
11/24/2003	205	0	0	34	--	--	--	0.0000	0.00	--	--	--	--	--	--
2003 Totals:									**431.38**		**26.42**		**5.41**		**0.00**
1/6/2004	200	0	0	43	--	--	--	0.0000	0.00	--	--	--	--	--	--
2/9/2004	235	0	0	34	ND (5)	ND (5)	10	0.0000	0.00	0.000	0.00	0.000	0.00	0.009	7.18
3/30/2004	160	5	24	50	77	1J	2J	0.0203	24.34	0.046	55.38	0.001	0.72	0.001	1.44
4/29/2004	255	0	0	30	10	ND (5)	ND (5)	0.0000	0.00	0.010	6.88	0.001	0.69	0.002	1.38
5/24/2004	198	0	0	25	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
6/22/2004	210	0	0	29	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
7/28/2004	181	0	3.1	36	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
8/12/2004	187	0	0.1	15	--	--	--	0.0000	0.00	--	--	--	--	--	--
9/29/2004	205	--	0	48	ND (1)	ND (1)	ND (1)	--	--	0.000	0.00	0.000	0.00	0.000	0.00
10/20/2004	230	0	0	21	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
11/17/2004	173	0	0	28	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
12/22/2004	131	0	0	35	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
2004 Totals:									**24.34**		**62.26**		**1.41**		**10.00**

Notes: -- = Measurement not recorded [(1)] Calculated flows based on the average of flows measured on 3-29-05 and 4-28-05

Discharge Rate (Field Mon., lb/hr) = [(flow(cfm)*influent conc.(ppmv)*MW*12.187)/(273.15+C)]*1 cu. m./35.31 cu. ft*1g/1000 mg*1 lb/453.6 g*60 min/1 hr

Discharge (Field Mon., lb) = Discharge Rate (lb/hr) * # of days*24hours/day*60 minutes/hr

Discharge Rate (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.)*1g/1000mg*1lb/453.6g*1cu. m./35.31cu. ft*60min/1 hr

Discharge (Lab Res., lb) = Discharge Rate (lb/hr) * # of days*24hours/day

Where: C = degrees centigrade, assumed to be 25; Molecular weight (MW) of PCE=165.85; TCE=131.4; cis-1,2-DCE=96.94

J = Estimated Value; cfm = cubic feet per minute; ppmv = parts per million (vol./vol.)

hr = hours; mg/cu. m = milligrams per cubic meter; lb = pounds

	Permit Limit	
	lb/hr	lb/yr
PCE	0.031	270
TCE	0.014	120
cis-1,2-DCE	0.63	5,510

TABLE 4 AIR DISCHARGE MONITORING

Date	System Effluent Flow Rate (cfm)	Field Monitoring		Elapsed Time (day)	Laboratory Results			Discharge based on Field Monitoring		Discharge based on Laboratory Results					
		PCE System Effluent Concentration (ppmv)	System Effluent VOC Concentration (ppmv)		PCE (mg/cu m.)	TCE (mg/cu m.)	cis-1,2-DCE (mg/cu m.)	PCE Discharge Since Last Visit (lb/hr)	PCE Discharge Since Last Visit (lb)	PCE Discharge Since Last Visit: lb/hr	PCE Discharge Since Last Visit (lb)	TCE Discharge Since Last Visit (lb/hr)	TCE Discharge Since Last Visit (lb)	cis-1,2-DCE Discharge Since Last Visit (lb/hr)	cis-1,2-DCE Discharge Since Last Visit (lb)
1/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/23/2005	245	0	0	34	--	--	--	0.0000	0.00	--	--	--	--	--	--
3/29/2005	234 (1)	0	0	34	ND (1)	ND (1)	2	0.0000	0.00	0.000	0.00	0.000	0.00	0.002	1.43
4/28/2005	222	0	0	30	0.5	ND (1)	1	0.0000	0.00	0.0004	0.30	0.000	0.00	0.001	0.60
5/31/2005	223	0	0	33	5	2	1	0.0000	0.00	0.0042	3.31	0.0017	1.32	0.001	0.66
6/24/2005	242	10.1	15	24	64	2	0.8J	0.0620	35.70	0.0580	33.42	0.0018	1.04	0.001	0.42
8/4/2005	381	12	7.5	41	57	1J	0.7J	0.1159	114.09	0.0814	80.05	0.0014	1.40	0.001	0.98
Spent Carbon Replaced 8/10/05															
9/13/2005	248	0	0	40	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
10/10/2005	211	0	0	27	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
11/11/2005	239	0	0	32	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
12/8/2005	212	0	0.1	27	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
2005 Totals:									**149.79**		**117.08**		**3.77**		**4.09**
1/6/2006	265	0	5.8	29	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
Spent Carbon Replaced 1/25/06															
2/6/2006	322	0	0	30	1	ND (1)	ND (1)	0.0000	0.00	0.0012	0.87	0.0000	0.00	0.000	0.00
3/14/2006	232	0	0	36	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
4/12/2006	271	0	0	29	0.6J	ND (1)	ND (1)	0.0000	0.00	0.0006	0.42	0.0000	0.00	0.000	0.00
5/4/2006	214	0	0	22	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
6/12/2006	253	0	0	39	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
7/12/2006	196	0	0	30	ND (1)	ND (1)	0.6 J	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.001	0.38
8/7/2006	210	0	0	26	1	ND (1)	ND (1)	0.0000	0.00	0.0008	0.49	0.0000	0.00	0.000	0.00
9/21/2006	203	0	2.1	45	2	0.8 J	0.4 J	0.0000	0.00	0.0015	1.64	0.0006	0.66	0.0003	0.33
Spent Carbon Replaced 10/11/06															
10/18/2006	236	0	0	27	--	--	--	0.0000	0.00	--	--	--	--	--	--
11/29/2006	202	0	0	42	0.9J	ND (1)	ND (1)	0.0000	0.00	0.0007	0.69	0.0000	0.00	0.0000	0.00
12/21/2006	210	0	0	22	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
2006 Totals:									**0.00**		**4.11**		**0.66**		**0.71**
1/26/2007	142	0	0	36	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
3/19/2007	172	0	0	20	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
4/27/2007	125	0	0	28	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
5/24/2007	170	0	0	27	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00

TABLE 4 AIR DISCHARGE MONITORING

Date	System Effluent Flow Rate (cfm)	Field Monitoring		Elapsed Time (day)	Laboratory Results			Discharge based on Field Monitoring		Discharge based on Laboratory Results					
		PCE System Effluent Concentration (ppmv)	System Effluent VOC Concentration (ppmv)		PCE (mg/cu m.)	TCE (mg/cu m.)	cis-1,2-DCE (mg/cu m.)	PCE Discharge Since Last Visit (lb/hr)	PCE Discharge Since Last Visit (lb)	PCE Discharge Since Last Visit: lb/hr	PCE Discharge Since Last Visit (lb)	TCE Discharge Since Last Visit (lb/hr)	TCE Discharge Since Last Visit (lb)	cis-1,2-DCE Discharge Since Last Visit (lb/hr)	cis-1,2-DCE Discharge Since Last Visit (lb)
6/21/2007	199	0	0.1	28	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
7/24/2007	194	0	0	33	0.22 J	ND (1)	ND (1)	0.0000	0.00	0.0002	0.13	0.0000	0.00	0.000	0.00
8/28/2007	129	0	0	35	0.35 J	ND (1)	0.29 J	0.0000	0.00	0.0002	0.14	0.0000	0.00	0.0001	0.12
9/18/2007	164	0	0	21	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
10/31/2007	231	0	0	43	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
11/28/2007	213	0	0	28	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
1/4/2008	243	0	0	37	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
2007 Totals:									**0.00**		**0.27**		**0.00**		**0.12**
1/23/2008	192	0	0	19	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
2/28/2008	--	--	--	36	--	--	--	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00
2008 Totals:															

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: Dan Simpson Time: 1000
Weather: Sunny, 46F Date: 11/28/2007

System Status:

Arrival: Running
Departure: Running
Run Timer Reading: 1782465
Electric Meter Reading: 08689, .43, 16.19, 0041

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 50 % Open

Pre-Bleed Air (Extraction Well):		**Post-Bleed Air (SVE Influent):**	
Flow:	79 CFM	Flow:	211 CFM
Vacuum:	27 "H2O	Vacuum:	-- "H2O
PID Reading:	9.5 PPM	PID Reading:	0.4 PPM
Draeger Tube:	1 PPM	Draeger Tube:	0 PPM
Temperature:	57.3 °F	Temperature:	117.4 °F

Carbon Monitoring:

Mid:	0.0 PPM	247 CFM	116.4 Temp. (°F)	0 PPM (Drager)
Effluent:	0.0 PPM	213 CFM	109.9 Temp. (°F)	0 PPM (Drager)

Carbon effluent sample collected & shipped to lab? Yes

Knockout Tank Drained? No
Gallons: N/A
Purge water drums on-site: 0

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	17.12	17.12	17.32	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--	1.36	0.25	0.18	0.3	0.25	0.16	0.23	0.09	0.01	0.0	0.0	0.0
PID (PPM):	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Comments:

*(5) Earth Tech drums on site from previous groundwater sampling event
* On site trailer falling off cement blocks (unsafe).

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: Dan Simpson Time: 1100
Weather: Sunny, 28F Date: 1/4/2008

System Status:

Arrival: Running
Departure: Running
Run Timer Reading: 1871418
Electric Meter Reading 09031, .43, 17.02, 0043

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 50 % Open

Pre-Bleed Air (Extraction Well):		**Post-Bleed Air (SVE Influent):**	
Flow:	102.4 CFM	Flow:	268.4 CFM
Vacuum:	28 "H2O	Vacuum:	-- "H2O
PID Reading:	7 PPM	PID Reading:	0.0 PPM
Draeger Tube:	0 PPM	Draeger Tube	0 PPM
Temperature:	46.6 °F	Temperature:	110.1 °F

Carbon Monitoring:

Mid:	0.0 PPM	318.8 CFM	116.5 Temp. (°F)	0 PPM (Drager)
Effluent:	0.0 PPM	243.4 CFM	96.3 Temp. (°F)	0 PPM (Drager)

Carbon effluent sample collected & shipped to lab? Yes

Knockout Tank Drained? No
Gallons: N/A
Purge water drums on-site: 0

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	17.09	17.09	17.25	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--	1.56	0.25	0.14	0.28	0.15	0.09	0.28	0.14	0.01	0.0	0.0	0.0
PID (PPM):	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Comments:

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: Dan Simpson Time: 1200
Weather: Sunny, 38F Date: 1/23/2008

System Status:

Arrival:	Running
Departure:	Running
Run Timer Reading:	1917108
Electric Meter Reading	09205, .42, 17.45, 0044

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 50 % Open

Pre-Bleed Air (Extraction Well):		**Post-Bleed Air (SVE Influent):**	
Flow:	114 CFM	Flow:	222 CFM
Vacuum:	36 "H2O	Vacuum:	-- "H2O
PID Reading:	6.6 PPM	PID Reading:	0.6 PPM
Draeger Tube:	0 PPM	Draeger Tube	0 PPM
Temperature:	65.1 °F	Temperature:	112.0 °F

Carbon Monitoring:

Mid:	0.0 PPM	266.0 CFM	125.5 Temp. (°F)	0 PPM (Drager)
Effluent:	0.0 PPM	192.0 CFM	108.1 Temp. (°F)	0 PPM (Drager)

Carbon effluent sample collected & shipped to lab? Yes

Knockout Tank Drained?	No
# Gallons:	N/A
Purge water drums on-site:	0

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	16.61	16.61	16.8	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--	1.6	0.29	0.14	0.34	0.16	0.21	N/A	0.15	0.03	0.0	0.0	0.0
PID (PPM):	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Comments:

VP-10 no access under pallet

After data collection dilution valve was moved to 60% , 40mins recovery time was given and the resulting pre-bleed vacuum was 48. The dilutior was moved back to 50%.

ET office trailer has follen off its cinder blocks due to high winds.

National Heatset Printing

1 Adams Boulevard, Farmingdale, New York

EA Engineering

Personnel: Dan Simpson Time: 1000
Weather: Sunny, 28F Date: 2/28/2008

System Status:

Arrival: Not Running
Departure: Not Running
Run Timer Reading: 1926902
Electric Meter Reading 09248, .02, 17.88, 0045

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 50 % Open

Pre-Bleed Air (Extraction Well):		**Post-Bleed Air (SVE Influent):**	
Flow:	CFM	Flow:	CFM
Vacuum:	"H2O	Vacuum: --	"H2O
PID Reading:	PPM	PID Reading:	PPM
Draeger Tube:	PPM	Draeger Tube:	PPM
Temperature:	°F	Temperature:	°F

Carbon Monitoring:

Mid:	PPM	CFM	Temp. (°F)	PPM (Drager)
Effluent:	PPM	CFM	Temp. (°F)	PPM (Drager)

Carbon effluent sample collected & shipped to lab? No

Knockout Tank Drained? No
Gallons: N/A
Purge water drums on-site: 0

Monitoring Well Gauging / Vapor Point Monitoring:

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	15.33	15.33	15.49	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--												
PID (PPM):	--	--	--	--	--	--									

Comments:

Upon arrival the system was not running. Power switch was at the auto position, no water in sight glass, Inside overhead lighting does work. System was reset and turned on manual, blower motor made one revolution with a grinding noise and faint burning smell.

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 10, 2007

O'Brien & Gere
5000 Brittonfield Parkway
Syracuse, NY 13221-4873
Attn: Mr. Marc Dent

RE: Client Project: NYSDEC – National Heatset
Lab Project #: F1744

Dear Mr. Dent:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Report of Laboratory Analyses for O'Brien & Gere

Client Project: National Heatset, 11/28/07

Mitkem Work Order ID: F1744

December 10, 2007

Prepared For:

O'Brien & Gere
5000 Brittonfield Parkway
P. O. Box 4873
Syracuse, NY 13221-4873
Attn: Mr. Marc Dent

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: O'Brien & Gere

Client Project: National Heatset, 11/28/07

Lab Project: F1744

Date samples received: 11/29/07

Project Narrative

This data report includes the analysis results for one (1) air sample in a Tedlar bag that was received from O'Brien & Gere on November29, 2007. Analyses were performed per specification in the Chain of Custody form, following discussions with the client. For reference, a copy of the Mitkem Work Order form is included for cross-referencing the client sample ID and laboratory sample ID.

All of the analyses were performed according to method specifications, as modified by Mitkem. Surrogate recoveries were within the QC limits. Spike recoveries were within the QC limits with the exception of high recovery of trans-1,3-dichloropropene and low recovery of 1,2,3-trichloropropane. No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

Agnes Ng
CLP Project Manager

Vitkem Laboratories

Date: *06-Dec-07*

Client: The O'Brien & Gere Companies
Client Sample ID: SVE-EFFLUENT
Lab ID: F1744-01

Project: National Heatset
Collection Date: 11/28/07 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			**TO14**				
Dichlorodifluoromethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Chloromethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Vinyl chloride	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Bromomethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Chloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Trichlorofluoromethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1-Dichloroethene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Acetone	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Iodomethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Carbon disulfide	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Methylene chloride	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
trans-1,2-Dichloroethene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Methyl tert-butyl ether	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1-Dichloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Vinyl acetate	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
2-Butanone	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
cis-1,2-Dichloroethene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
2,2-Dichloropropane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Chloroform	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1,1-Trichloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1-Dichloropropene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Carbon tetrachloride	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2-Dichloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Benzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Trichloroethene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2-Dichloropropane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Dibromomethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Bromodichloromethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
cis-1,3-Dichloropropene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
4-Methyl-2-pentanone	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Toluene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
trans-1,3-Dichloropropene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1,2-Trichloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,3-Dichloropropane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Tetrachloroethene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
2-Hexanone	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Dibromochloromethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2-Dibromoethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Chlorobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1,1,2-Tetrachloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories **Date:** *06-Dec-07*

Client: The O'Brien & Gere Companies
Client Sample ID: SVE-EFFLUENT
Lab ID: F1744-01

Project: National Heatset
Collection Date: 11/28/07 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			**TO14**				
Ethylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Xylene (Total)	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Styrene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Bromoform	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Isopropylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,1,2,2-Tetrachloroethane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Bromobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2,3-Trichloropropane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
n-Propylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
2-Chlorotoluene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,3,5-Trimethylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
4-Chlorotoluene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
tert-Butylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2,4-Trimethylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
sec-Butylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
4-Isopropyltoluene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
3-Dichlorobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
4-Dichlorobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
n-Butylbenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2-Dichlorobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2-Dibromo-3-chloropropane	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2,4-Trichlorobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Hexachlorobutadiene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
1,2,3-Trichlorobenzene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Naphthalene	ND		1.0	mg/m³	1	11/30/2007 16:11	33546
Surr: Dibromofluoromethane	96.4		70-130	%REC	1	11/30/2007 16:11	33546
Surr: 1,2-Dichloroethane-d4	88.4		70-130	%REC	1	11/30/2007 16:11	33546
Surr: Toluene-d8	110		70-130	%REC	1	11/30/2007 16:11	33546
Surr: Bromofluorobenzene	95.1		70-130	%REC	1	11/30/2007 16:11	33546

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: The O'Brien & Gere Companies
Work Order: F1744
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **MB-33546** SampType: **MBLK** TestCode: **TO14** Prep Date: **11/30/2007** Run ID: **V1_071130B**
Client ID: **MB-33546** Batch ID: **33546** Units: **mg/m³** Analysis Date: **11/30/2007** SeqNo: **729197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.0									
Chloromethane	ND	1.0									
Vinyl chloride	ND	1.0									
Bromomethane	ND	1.0									
Chloroethane	ND	1.0									
Trichlorofluoromethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
Acetone	ND	1.0									
Iodomethane	ND	1.0									
Carbon disulfide	ND	1.0									
Methylene chloride	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
Methyl tert-butyl ether	ND	1.0									
1,1-Dichloroethane	ND	1.0									
Vinyl acetate	ND	1.0									
2-Butanone	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
2,2-Dichloropropane	ND	1.0									
Chloroform	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1-Dichloropropene	ND	1.0									
Carbon tetrachloride	ND	1.0									
1,2-Dichloroethane	ND	1.0									
Benzene	ND	1.0									
Trichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
Dibromomethane	ND	1.0									
Bromodichloromethane	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
4-Methyl-2-pentanone	ND	1.0									
Toluene	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,3-Dichloropropane	ND	1.0									
Tetrachloroethene	ND	1.0									
2-Hexanone	ND	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: The O'Brien & Gere Companies
Work Order: F1744
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **MB-33546** SampType: **MBLK** TestCode: **TO14** Prep Date: **11/30/2007** Run ID: **V1_071130B**
Client ID: **MB-33546** Batch ID: **33546** Units: **mg/m³** Analysis Date: **11/30/2007** SeqNo: **729197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.0									
1,2-Dibromoethane	ND	1.0									
Chlorobenzene	ND	1.0									
1,1,1,2-Tetrachloroethane	ND	1.0									
Ethylbenzene	ND	1.0									
Styrene	ND	1.0									
Bromoform	ND	1.0									
Isopropylbenzene	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
Bromobenzene	ND	1.0									
1,2,3-Trichloropropane	ND	1.0									
n-Propylbenzene	ND	1.0									
2-Chlorotoluene	ND	1.0									
1,3,5-Trimethylbenzene	ND	1.0									
4-Chlorotoluene	ND	1.0									
tert-Butylbenzene	ND	1.0									
1,2,4-Trimethylbenzene	ND	1.0									
sec-Butylbenzene	ND	1.0									
4-Isopropyltoluene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
n-Butylbenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
1,2,3-Trichlorobenzene	ND	1.0									
Naphthalene	ND	1.0									
Xylene (Total)	ND	1.0									
Surr: Dibromofluoromethane	10.11	1.0	10.00	0	101	70	130	0			
Surr: 1,2-Dichloroethane-d4	9.064	1.0	10.00	0	90.6	70	130	0			
Surr: Toluene-d8	10.81	1.0	10.00	0	108	70	130	0			
Surr: Bromofluorobenzene	9.611	1.0	10.00	0	96.1	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: The O'Brien & Gere Companies
Work Order: F1744
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCS-33546** SampType: **LCS** TestCode: **TO14** Prep Date: **11/30/2007** Run ID: **V1_071130B**
Client ID: **LCS-33546** Batch ID: **33546** Units: **mg/m³** Analysis Date: **11/30/2007** SeqNo: **729198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	13.11	1.0	10.00	0	131	70	130	0			S
Chloromethane	9.388	1.0	10.00	0	93.9	70	130	0			
Vinyl chloride	8.525	1.0	10.00	0	85.3	70	130	0			
Bromomethane	10.05	1.0	10.00	0	101	70	130	0			
Chloroethane	9.479	1.0	10.00	0	94.8	70	130	0			
Trichlorofluoromethane	10.66	1.0	10.00	0	107	70	130	0			
1,1-Dichloroethene	10.14	1.0	10.00	0	101	70	130	0			
Acetone	7.987	1.0	10.00	0	79.9	70	130	0			
Iodomethane	9.206	1.0	10.00	0	92.1	70	130	0			
Carbon disulfide	9.645	1.0	10.00	0	96.4	70	130	0			
Methylene chloride	8.377	1.0	10.00	0	83.8	70	130	0			
trans-1,2-Dichloroethene	10.09	1.0	10.00	0	101	70	130	0			
Methyl tert-butyl ether	9.139	1.0	10.00	0	91.4	70	130	0			
1,1-Dichloroethane	9.628	1.0	10.00	0	96.3	70	130	0			
Vinyl acetate	9.804	1.0	10.00	0	98.0	70	130	0			
2-Butanone	9.115	1.0	10.00	0	91.2	70	130	0			
cis-1,2-Dichloroethene	10.01	1.0	10.00	0	100	70	130	0			
2,2-Dichloropropane	12.52	1.0	10.00	0	125	70	130	0			
Chloroform	10.07	1.0	10.00	0	101	70	130	0			
1,1,1-Trichloroethane	10.14	1.0	10.00	0	101	70	130	0			
1,1-Dichloropropene	10.10	1.0	10.00	0	101	70	130	0			
Carbon tetrachloride	9.643	1.0	10.00	0	96.4	70	130	0			
1,2-Dichloroethane	9.326	1.0	10.00	0	93.3	70	130	0			
Benzene	10.25	1.0	10.00	0	102	70	130	0			
Trichloroethene	9.908	1.0	10.00	0	99.1	70	130	0			
1,2-Dichloropropane	9.312	1.0	10.00	0	93.1	70	130	0			
Dibromomethane	9.292	1.0	10.00	0	92.9	70	130	0			
Bromodichloromethane	9.187	1.0	10.00	0	91.9	70	130	0			
cis-1,3-Dichloropropene	9.074	1.0	10.00	0	90.7	70	130	0			
4-Methyl-2-pentanone	7.735	1.0	10.00	0	77.3	70	130	0			
Toluene	10.32	1.0	10.00	0	103	70	130	0			
trans-1,3-Dichloropropene	13.63	1.0	10.00	0	136	70	130	0			S
1,1,2-Trichloroethane	9.277	1.0	10.00	0	92.8	70	130	0			
1,3-Dichloropropane	9.673	1.0	10.00	0	96.7	70	130	0			
Tetrachloroethene	10.56	1.0	10.00	0	106	70	130	0			
2-Hexanone	7.753	1.0	10.00	0	77.5	70	130	0			
Dibromochloromethane	11.34	1.0	10.00	0	113	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: The O'Brien & Gere Companies
Work Order: F1744
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCS-33546** SampType: **LCS** TestCode: **TO14** Prep Date: **11/30/2007** Run ID: **V1_071130B**
Client ID: **LCS-33546** Batch ID: **33546** Units: **mg/m³** Analysis Date: **11/30/2007** SeqNo: **729198**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	9.501	1.0	10.00	0	95.0	70	130	0			
Chlorobenzene	10.50	1.0	10.00	0	105	70	130	0			
1,1,1,2-Tetrachloroethane	9.790	1.0	10.00	0	97.9	70	130	0			
Ethylbenzene	10.61	1.0	10.00	0	106	70	130	0			
Styrene	10.56	1.0	10.00	0	106	70	130	0			
Bromoform	7.855	1.0	10.00	0	78.6	70	130	0			
Isopropylbenzene	10.68	1.0	10.00	0	107	70	130	0			
1,1,2,2-Tetrachloroethane	9.582	1.0	10.00	0	95.8	70	130	0			
Bromobenzene	9.784	1.0	10.00	0	97.8	70	130	0			
1,2,3-Trichloropropane	6.269	1.0	10.00	0	62.7	70	130	0			S
n-Propylbenzene	10.10	1.0	10.00	0	101	70	130	0			
2-Chlorotoluene	9.991	1.0	10.00	0	99.9	70	130	0			
1,3,5-Trimethylbenzene	10.80	1.0	10.00	0	108	70	130	0			
4-Chlorotoluene	10.34	1.0	10.00	0	103	70	130	0			
tert-Butylbenzene	10.40	1.0	10.00	0	104	70	130	0			
1,2,4-Trimethylbenzene	10.45	1.0	10.00	0	105	70	130	0			
sec-Butylbenzene	10.93	1.0	10.00	0	109	70	130	0			
4-Isopropyltoluene	10.50	1.0	10.00	0	105	70	130	0			
1,3-Dichlorobenzene	9.999	1.0	10.00	0	100	70	130	0			
1,4-Dichlorobenzene	9.787	1.0	10.00	0	97.9	70	130	0			
n-Butylbenzene	11.00	1.0	10.00	0	110	70	130	0			
1,2-Dichlorobenzene	9.717	1.0	10.00	0	97.2	70	130	0			
1,2-Dibromo-3-chloropropane	8.129	1.0	10.00	0	81.3	70	130	0			
1,2,4-Trichlorobenzene	9.422	1.0	10.00	0	94.2	70	130	0			
Hexachlorobutadiene	10.07	1.0	10.00	0	101	70	130	0			
1,2,3-Trichlorobenzene	9.311	1.0	10.00	0	93.1	70	130	0			
Naphthalene	8.452	1.0	10.00	0	84.5	70	130	0			
Xylene (Total)	32.80	1.0	30.00	0	109	70	130	0			
Surr: Dibromofluoromethane	10.06	1.0	10.00	0	101	70	130	0			
Surr: 1,2-Dichloroethane-d4	8.889	1.0	10.00	0	88.9	70	130	0			
Surr: Toluene-d8	10.74	1.0	10.00	0	107	70	130	0			
Surr: Bromofluorobenzene	10.07	1.0	10.00	0	101	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Mitkem Corporation

30/Nov/07 15:45

WorkOrder: F1744

Client ID: OBG
Project: National Heatset
Location:
Comments: Level 2 for air samples

Case:
SDG:
PO: HEATSET

Report Level: ASP-B
EDD: CLF
HC Due: 12/20/07
Fax Due: 12/13/07

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
F1744-01A	SVE-EFFLUENT	11/28/2007 11:00	11/29/2007	Air	TO14		☐	☐	☐ VOA

Client Rep: Agnes R Ng

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY: EA Engineering	PHONE: (315) 431 4610	COMPANY: Same	PHONE:	LAB PROJECT #: F1744	
NAME: Chris Canonica	FAX:	NAME:	FAX:		
ADDRESS: 6712 Brooklawn PKWY		ADDRESS:		TURNAROUND TIME: STD	
CITY/ST/ZIP: Syracuse, NY 13211		CITY/ST/ZIP:			
CLIENT PROJECT NAME: National Heatset	CLIENT PROJECT #:	CLIENT P.O.#:			

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: TO-14	COMMENTS
SVE-Effluent	11/28/07 1100		X			Air	01	1	X	
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSP#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Dan Lipp	11/28/07 1400	FedEX 8546 1199 4140	11/28/07 1400		ambient
		/		11/29/07 9:00		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

01509

MITKEM CORPORATION
Sample Condition Form

Received By: VEG | Reviewed By: KP | Date: 11/29/07 | MITKEM Workorder #: F1744

Client Project: Heatset | Client: OBG

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F1744	01					A	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) WIA

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature ambient
Coolant Condition

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
854611994140

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 11/29/07

9) Time Received 9:00

Preservative Name/Lot No:

VEG 11/29/07

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes (no)

Rad OK yes/ no

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

January 30, 2008

EA Engineering Science & Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211
Attn: Mr. Don Conan

RE: Client Project: National Heatset
Lab Project #: G0017

Dear Mr. Conan:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Report of Laboratory Analyses for EA Engineering Science & Technology

Client Project: National Heatset, 01/04/08

Mitkem Work Order ID: G0017

January 30, 2008

Prepared For:

EA Engineering Science & Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211
Attn: Mr. Don Conan

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: EA Engineering Science & Technology

Client Project: National Heatset, 01/04/08

Lab Project: G0017

Date samples received: 01/07/08

Project Narrative

This data report includes the analysis results for one (1) air sample in a Tedlar bag that was received from EA Engineering Science & Technology on January 7, 2008. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Work Order form is included for cross-referencing the client sample ID and laboratory sample ID.

All of the analyses were performed according to method specifications, as modified by Mitkem. Surrogate recoveries were within the QC limits. Spike recoveries were within the QC limits with the exception of low recovery of dichlorofluoromethane and acetone in the lab control sample and low recovery of dichlorofluoromethane in the lab control sample duplicate. Replicate RPDs were within the QC limits. No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

Agnes Ng
CLP Project Manager

Tritkem Laboratories

Date: *21-Jan-08*

Client: EA Engineering Science & Technology
Client Sample ID: SVE-EFFLUENT
Lab ID: G0017-01

Project: National Heatset
Collection Date: 01/04/08 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			**TO14**				
Dichlorodifluoromethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Chloromethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Vinyl chloride	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Bromomethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Chloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Trichlorofluoromethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1-Dichloroethene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Acetone	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Iodomethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Carbon disulfide	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Methylene chloride	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
trans-1,2-Dichloroethene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Methyl tert-butyl ether	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1-Dichloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Vinyl acetate	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
2-Butanone	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
cis-1,2-Dichloroethene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
2,2-Dichloropropane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Chloroform	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1,1-Trichloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1-Dichloropropene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Carbon tetrachloride	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2-Dichloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Benzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Trichloroethene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2-Dichloropropane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Dibromomethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Bromodichloromethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
cis-1,3-Dichloropropene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
4-Methyl-2-pentanone	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Toluene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
trans-1,3-Dichloropropene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1,2-Trichloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,3-Dichloropropane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Tetrachloroethene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
2-Hexanone	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Dibromochloromethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2-Dibromoethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Chlorobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1,1,2-Tetrachloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Ilitkem Laboratories

Date: *21-Jan-08*

Client: EA Engineering Science & Technology
Client Sample ID: SVE-EFFLUENT
Lab ID: G0017-01

Project: National Heatset
Collection Date: 01/04/08 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			**TO14**				
Ethylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Xylene (Total)	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Styrene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Bromoform	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Isopropylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,1,2,2-Tetrachloroethane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Bromobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2,3-Trichloropropane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
n-Propylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
2-Chlorotoluene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,3,5-Trimethylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
4-Chlorotoluene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
tert-Butylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2,4-Trimethylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
sec-Butylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
4-Isopropyltoluene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
3-Dichlorobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,4-Dichlorobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
n-Butylbenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2-Dichlorobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2-Dibromo-3-chloropropane	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2,4-Trichlorobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Hexachlorobutadiene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
1,2,3-Trichlorobenzene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Naphthalene	ND		1.0	mg/m³	1	01/08/2008 12:17	34200
Surr: Dibromofluoromethane	102		70-130	%REC	1	01/08/2008 12:17	34200
Surr: 1,2-Dichloroethane-d4	95.3		70-130	%REC	1	01/08/2008 12:17	34200
Surr: Toluene-d8	97.1		70-130	%REC	1	01/08/2008 12:17	34200
Surr: Bromofluorobenzene	93.9		70-130	%REC	1	01/08/2008 12:17	34200

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: EA Engineering Science & Technology
Work Order: G0017
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **MB-34172** SampType: **MBLK** TestCode: **TO14** Prep Date: **01/08/2008** Run ID: **V2_080108C**
Client ID: **MB-34172** Batch ID: **34200** Units: **mg/m³** Analysis Date: **01/08/2008** SeqNo: **751834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.0	0	0	0	0	0	0			
Chloromethane	ND	1.0	0	0	0	0	0	0			
Vinyl chloride	ND	1.0	0	0	0	0	0	0			
Bromomethane	ND	1.0	0	0	0	0	0	0			
Chloroethane	ND	1.0	0	0	0	0	0	0			
Trichlorofluoromethane	ND	1.0	0	0	0	0	0	0			
1,1-Dichloroethene	ND	1.0	0	0	0	0	0	0			
Acetone	ND	1.0	0	0	0	0	0	0			
Iodomethane	ND	1.0	0	0	0	0	0	0			
Carbon disulfide	ND	1.0	0	0	0	0	0	0			
Methylene chloride	ND	1.0	0	0	0	0	0	0			
trans-1,2-Dichloroethene	ND	1.0	0	0	0	0	0	0			
Methyl tert-butyl ether	ND	1.0	0	0	0	0	0	0			
1,1-Dichloroethane	ND	1.0	0	0	0	0	0	0			
Vinyl acetate	ND	1.0	0	0	0	0	0	0			
2-Butanone	ND	1.0	0	0	0	0	0	0			
cis-1,2-Dichloroethene	ND	1.0	0	0	0	0	0	0			
2,2-Dichloropropane	ND	1.0	0	0	0	0	0	0			
Chloroform	ND	1.0	0	0	0	0	0	0			
1,1,1-Trichloroethane	ND	1.0	0	0	0	0	0	0			
1,1-Dichloropropene	ND	1.0	0	0	0	0	0	0			
Carbon tetrachloride	ND	1.0	0	0	0	0	0	0			
1,2-Dichloroethane	ND	1.0	0	0	0	0	0	0			
Benzene	ND	1.0	0	0	0	0	0	0			
Trichloroethene	ND	1.0	0	0	0	0	0	0			
1,2-Dichloropropane	ND	1.0	0	0	0	0	0	0			
Dibromomethane	ND	1.0	0	0	0	0	0	0			
Bromodichloromethane	ND	1.0	0	0	0	0	0	0			
cis-1,3-Dichloropropene	ND	1.0	0	0	0	0	0	0			
4-Methyl-2-pentanone	ND	1.0	0	0	0	0	0	0			
Toluene	ND	1.0	0	0	0	0	0	0			
trans-1,3-Dichloropropene	ND	1.0	0	0	0	0	0	0			
1,2-Trichloroethane	ND	1.0	0	0	0	0	0	0			
1,3-Dichloropropane	ND	1.0	0	0	0	0	0	0			
Tetrachloroethene	ND	1.0	0	0	0	0	0	0			
2-Hexanone	ND	1.0	0	0	0	0	0	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EA Engineering Science & Technology
Work Order: G0017
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **MB-34172** SampType: **MBLK** TestCode: **TO14** Prep Date: **01/08/2008** Run ID: **V2_080108C**
Client ID: **MB-34172** Batch ID: **34200** Units: **mg/m³** Analysis Date: **01/08/2008** SeqNo: **751834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.0	0	0	0	0	0	0			
1,2-Dibromoethane	ND	1.0	0	0	0	0	0	0			
Chlorobenzene	ND	1.0	0	0	0	0	0	0			
1,1,1,2-Tetrachloroethane	ND	1.0	0	0	0	0	0	0			
Ethylbenzene	ND	1.0	0	0	0	0	0	0			
Styrene	ND	1.0	0	0	0	0	0	0			
Bromoform	ND	1.0	0	0	0	0	0	0			
Isopropylbenzene	ND	1.0	0	0	0	0	0	0			
1,1,2,2-Tetrachloroethane	ND	1.0	0	0	0	0	0	0			
Bromobenzene	ND	1.0	0	0	0	0	0	0			
1,2,3-Trichloropropane	ND	1.0	0	0	0	0	0	0			
n-Propylbenzene	ND	1.0	0	0	0	0	0	0			
2-Chlorotoluene	ND	1.0	0	0	0	0	0	0			
1,3,5-Trimethylbenzene	ND	1.0	0	0	0	0	0	0			
4-Chlorotoluene	ND	1.0	0	0	0	0	0	0			
tert-Butylbenzene	ND	1.0	0	0	0	0	0	0			
1,2,4-Trimethylbenzene	ND	1.0	0	0	0	0	0	0			
sec-Butylbenzene	ND	1.0	0	0	0	0	0	0			
4-Isopropyltoluene	ND	1.0	0	0	0	0	0	0			
1,3-Dichlorobenzene	ND	1.0	0	0	0	0	0	0			
1,4-Dichlorobenzene	ND	1.0	0	0	0	0	0	0			
n-Butylbenzene	ND	1.0	0	0	0	0	0	0			
1,2-Dichlorobenzene	ND	1.0	0	0	0	0	0	0			
1,2-Dibromo-3-chloropropane	ND	1.0	0	0	0	0	0	0			
1,2,4-Trichlorobenzene	ND	1.0	0	0	0	0	0	0			
Hexachlorobutadiene	ND	1.0	0	0	0	0	0	0			
1,2,3-Trichlorobenzene	ND	1.0	0	0	0	0	0	0			
Naphthalene	ND	1.0	0	0	0	0	0	0			
Xylene (Total)	ND	1.0	0	0	0	0	0	0			
Surr: Dibromofluoromethane	10.18	1.0	10.00	0	102	70	130	0			
Surr: 1,2-Dichloroethane-d4	9.304	1.0	10.00	0	93.0	70	130	0			
Surr: Toluene-d8	9.890	1.0	10.00	0	98.9	70	130	0			
Surr: Bromofluorobenzene	9.320	1.0	10.00	0	93.2	70	130	0			

Qualifiers:
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CLIENT: EA Engineering Science & Technology
Work Order: G0017
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCS-34172** SampType: **LCS** TestCode: **TO14** Prep Date: **01/08/2008** Run ID: **V2_080108C**
Client ID: **LCS-34172** Batch ID: **34200** Units: **mg/m³** Analysis Date: **01/08/2008** SeqNo: **751835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	6.036	1.0	10.00	0	60.4	70	130	0			S
Chloromethane	8.969	1.0	10.00	0	89.7	70	130	0			
Vinyl chloride	8.183	1.0	10.00	0	81.8	70	130	0			
Bromomethane	9.396	1.0	10.00	0	94.0	70	130	0			
Chloroethane	9.111	1.0	10.00	0	91.1	70	130	0			
Trichlorofluoromethane	7.537	1.0	10.00	0	75.4	70	130	0			
1,1-Dichloroethene	8.285	1.0	10.00	0	82.9	70	130	0			
Acetone	6.800	1.0	10.00	0	68.0	70	130	0			S
Iodomethane	9.590	1.0	10.00	0	95.9	70	130	0			
Carbon disulfide	8.637	1.0	10.00	0	86.4	70	130	0			
Methylene chloride	9.717	1.0	10.00	0	97.2	70	130	0			
trans-1,2-Dichloroethene	9.473	1.0	10.00	0	94.7	70	130	0			
Methyl tert-butyl ether	9.632	1.0	10.00	0	96.3	70	130	0			
1,1-Dichloroethane	9.353	1.0	10.00	0	93.5	70	130	0			
Vinyl acetate	9.328	1.0	10.00	0	93.3	70	130	0			
2-Butanone	8.224	1.0	10.00	0	82.2	70	130	0			
cis-1,2-Dichloroethene	9.713	1.0	10.00	0	97.1	70	130	0			
2,2-Dichloropropane	8.588	1.0	10.00	0	85.9	70	130	0			
Chloroform	9.577	1.0	10.00	0	95.8	70	130	0			
1,1,1-Trichloroethane	8.760	1.0	10.00	0	87.6	70	130	0			
1,1-Dichloropropene	8.627	1.0	10.00	0	86.3	70	130	0			
Carbon tetrachloride	8.613	1.0	10.00	0	86.1	70	130	0			
1,2-Dichloroethane	9.705	1.0	10.00	0	97.1	70	130	0			
Benzene	9.488	1.0	10.00	0	94.9	70	130	0			
Trichloroethene	9.209	1.0	10.00	0	92.1	70	130	0			
1,2-Dichloropropane	9.578	1.0	10.00	0	95.8	70	130	0			
Dibromomethane	9.776	1.0	10.00	0	97.8	70	130	0			
Bromodichloromethane	9.868	1.0	10.00	0	98.7	70	130	0			
cis-1,3-Dichloropropene	9.860	1.0	10.00	0	98.6	70	130	0			
4-Methyl-2-pentanone	8.929	1.0	10.00	0	89.3	70	130	0			
Toluene	9.564	1.0	10.00	0	95.6	70	130	0			
trans-1,3-Dichloropropene	9.707	1.0	10.00	0	97.1	70	130	0			
1,1,2-Trichloroethane	9.683	1.0	10.00	0	96.8	70	130	0			
1,3-Dichloropropane	9.904	1.0	10.00	0	99.0	70	130	0			
Tetrachloroethene	8.885	1.0	10.00	0	88.8	70	130	0			
2-Hexanone	9.470	1.0	10.00	0	94.7	70	130	0			
Dibromochloromethane	9.807	1.0	10.00	0	98.1	70	130	0			

Qualifiers:
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CLIENT: EA Engineering Science & Technology
Work Order: G0017
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCS-34172**	SampType: **LCS**	TestCode: **TO14**	Prep Date: **01/08/2008**	Run ID: **V2_080108C**	
Client ID: **LCS-34172**	Batch ID: **34200**	Units: **mg/m³**	Analysis Date: **01/08/2008**	SeqNo: **751835**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	9.818	1.0	10.00	0	98.2	70	130	0			
Chlorobenzene	9.892	1.0	10.00	0	98.9	70	130	0			
1,1,1,2-Tetrachloroethane	9.634	1.0	10.00	0	96.3	70	130	0			
Ethylbenzene	9.265	1.0	10.00	0	92.6	70	130	0			
Styrene	9.813	1.0	10.00	0	98.1	70	130	0			
Bromoform	9.281	1.0	10.00	0	92.8	70	130	0			
Isopropylbenzene	8.838	1.0	10.00	0	88.4	70	130	0			
1,1,2,2-Tetrachloroethane	9.263	1.0	10.00	0	92.6	70	130	0			
Bromobenzene	9.560	1.0	10.00	0	95.6	70	130	0			
1,2,3-Trichloropropane	9.149	1.0	10.00	0	91.5	70	130	0			
n-Propylbenzene	9.016	1.0	10.00	0	90.2	70	130	0			
2-Chlorotoluene	9.237	1.0	10.00	0	92.4	70	130	0			
1,3,5-Trimethylbenzene	8.952	1.0	10.00	0	89.5	70	130	0			
4-Chlorotoluene	9.506	1.0	10.00	0	95.1	70	130	0			
tert-Butylbenzene	8.744	1.0	10.00	0	87.4	70	130	0			
1,2,4-Trimethylbenzene	9.120	1.0	10.00	0	91.2	70	130	0			
sec-Butylbenzene	8.363	1.0	10.00	0	83.6	70	130	0			
4-Isopropyltoluene	8.560	1.0	10.00	0	85.6	70	130	0			
1,3-Dichlorobenzene	9.342	1.0	10.00	0	93.4	70	130	0			
1,4-Dichlorobenzene	9.237	1.0	10.00	0	92.4	70	130	0			
n-Butylbenzene	8.627	1.0	10.00	0	86.3	70	130	0			
1,2-Dichlorobenzene	9.170	1.0	10.00	0	91.7	70	130	0			
1,2-Dibromo-3-chloropropane	8.315	1.0	10.00	0	83.1	70	130	0			
1,2,4-Trichlorobenzene	8.729	1.0	10.00	0	87.3	70	130	0			
Hexachlorobutadiene	7.261	1.0	10.00	0	72.6	70	130	0			
1,2,3-Trichlorobenzene	7.756	1.0	10.00	0	77.6	70	130	0			
Naphthalene	7.537	1.0	10.00	0	75.4	70	130	0			
Xylene (Total)	28.35	1.0	30.00	0	94.5	70	130	0			
Surr: Dibromofluoromethane	10.03	1.0	10.00	0	100	70	130	0			
Surr: 1,2-Dichloroethane-d4	9.848	1.0	10.00	0	98.5	70	130	0			
Surr: Toluene-d8	9.922	1.0	10.00	0	99.2	70	130	0			
Surr: Bromofluorobenzene	9.987	1.0	10.00	0	99.9	70	130	0			

Qualifiers:
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B - Analyte detected in the associated Method Blank

CLIENT: EA Engineering Science & Technology
Work Order: G0017
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCSD-34172** SampType: **LCSD** TestCode: **TO14** Prep Date: **01/08/2008** Run ID: **V2_080108C**
Client ID: **LCSD-34172** Batch ID: **34200** Units: **mg/m³** Analysis Date: **01/08/2008** SeqNo: **751836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	5.837	1.0	10.00	0	58.4	70	130	6.036	3.35	40	S
Chloromethane	8.697	1.0	10.00	0	87.0	70	130	8.969	3.07	40	
Vinyl chloride	7.956	1.0	10.00	0	79.6	70	130	8.183	2.81	40	
Bromomethane	8.908	1.0	10.00	0	89.1	70	130	9.396	5.33	40	
Chloroethane	8.584	1.0	10.00	0	85.8	70	130	9.111	5.95	40	
Trichlorofluoromethane	7.114	1.0	10.00	0	71.1	70	130	7.537	5.77	40	
1,1-Dichloroethene	8.045	1.0	10.00	0	80.4	70	130	8.285	2.95	40	
Acetone	8.385	1.0	10.00	0	83.9	70	130	6.800	20.9	40	
Iodomethane	9.500	1.0	10.00	0	95.0	70	130	9.590	0.948	40	
Carbon disulfide	8.441	1.0	10.00	0	84.4	70	130	8.637	2.29	40	
Methylene chloride	9.383	1.0	10.00	0	93.8	70	130	9.717	3.5	40	
trans-1,2-Dichloroethene	9.137	1.0	10.00	0	91.4	70	130	9.473	3.62	40	
Methyl tert-butyl ether	9.344	1.0	10.00	0	93.4	70	130	9.632	3.03	40	
1,1-Dichloroethane	9.330	1.0	10.00	0	93.3	70	130	9.353	0.248	40	
Vinyl acetate	9.133	1.0	10.00	0	91.3	70	130	9.328	2.1	40	
2-Butanone	7.916	1.0	10.00	0	79.2	70	130	8.224	3.81	40	
cis-1,2-Dichloroethene	9.627	1.0	10.00	0	96.3	70	130	9.713	0.887	40	
2,2-Dichloropropane	8.377	1.0	10.00	0	83.8	70	130	8.588	2.49	40	
Chloroform	9.520	1.0	10.00	0	95.2	70	130	9.577	0.599	40	
1,1,1-Trichloroethane	8.531	1.0	10.00	0	85.3	70	130	8.760	2.65	40	
1,1-Dichloropropene	8.406	1.0	10.00	0	84.1	70	130	8.627	2.59	40	
Carbon tetrachloride	8.247	1.0	10.00	0	82.5	70	130	8.613	4.33	40	
1,2-Dichloroethane	9.368	1.0	10.00	0	93.7	70	130	9.705	3.54	40	
Benzene	9.233	1.0	10.00	0	92.3	70	130	9.488	2.72	40	
Trichloroethene	9.170	1.0	10.00	0	91.7	70	130	9.209	0.416	40	
1,2-Dichloropropane	9.529	1.0	10.00	0	95.3	70	130	9.578	0.512	40	
Dibromomethane	9.623	1.0	10.00	0	96.2	70	130	9.776	1.58	40	
Bromodichloromethane	9.455	1.0	10.00	0	94.5	70	130	9.868	4.28	40	
cis-1,3-Dichloropropene	9.514	1.0	10.00	0	95.1	70	130	9.860	3.57	40	
4-Methyl-2-pentanone	8.850	1.0	10.00	0	88.5	70	130	8.929	0.891	40	
Toluene	9.383	1.0	10.00	0	93.8	70	130	9.564	1.91	40	
trans-1,3-Dichloropropene	9.445	1.0	10.00	0	94.5	70	130	9.707	2.73	40	
1,1,2-Trichloroethane	9.451	1.0	10.00	0	94.5	70	130	9.683	2.42	40	
1,3-Dichloropropane	9.301	1.0	10.00	0	93.0	70	130	9.904	6.28	40	
Tetrachloroethene	8.706	1.0	10.00	0	87.1	70	130	8.885	2.03	40	
2-Hexanone	8.075	1.0	10.00	0	80.8	70	130	9.470	15.9	40	
Dibromochloromethane	9.174	1.0	10.00	0	91.7	70	130	9.807	6.67	40	

Qualifiers:
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CLIENT: EA Engineering Science & Technology
Work Order: G0017
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCSD-34172** SampType: **LCSD** TestCode: **TO14** Prep Date: **01/08/2008** Run ID: **V2_080108C**
Client ID: **LCSD-34172** Batch ID: **34200** Units: **mg/m³** Analysis Date: **01/08/2008** SeqNo: **751836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	9.377	1.0	10.00	0	93.8	70	130	9.818	4.6	40	
Chlorobenzene	9.558	1.0	10.00	0	95.6	70	130	9.892	3.43	40	
1,1,1,2-Tetrachloroethane	9.175	1.0	10.00	0	91.7	70	130	9.634	4.89	40	
Ethylbenzene	8.921	1.0	10.00	0	89.2	70	130	9.265	3.78	40	
Styrene	9.426	1.0	10.00	0	94.3	70	130	9.813	4.02	40	
Bromoform	8.538	1.0	10.00	0	85.4	70	130	9.281	8.34	40	
Isopropylbenzene	8.612	1.0	10.00	0	86.1	70	130	8.838	2.59	40	
1,1,2,2-Tetrachloroethane	9.020	1.0	10.00	0	90.2	70	130	9.263	2.66	40	
Bromobenzene	9.513	1.0	10.00	0	95.1	70	130	9.560	0.495	40	
1,2,3-Trichloropropane	8.479	1.0	10.00	0	84.8	70	130	9.149	7.61	40	
n-Propylbenzene	8.888	1.0	10.00	0	88.9	70	130	9.016	1.43	40	
2-Chlorotoluene	9.028	1.0	10.00	0	90.3	70	130	9.237	2.28	40	
1,3,5-Trimethylbenzene	8.751	1.0	10.00	0	87.5	70	130	8.952	2.27	40	
4-Chlorotoluene	9.351	1.0	10.00	0	93.5	70	130	9.506	1.64	40	
tert-Butylbenzene	8.701	1.0	10.00	0	87.0	70	130	8.744	0.493	40	
1,2,4-Trimethylbenzene	9.046	1.0	10.00	0	90.5	70	130	9.120	0.81	40	
sec-Butylbenzene	8.326	1.0	10.00	0	83.3	70	130	8.363	0.438	40	
4-Isopropyltoluene	8.476	1.0	10.00	0	84.8	70	130	8.560	0.99	40	
1,3-Dichlorobenzene	9.235	1.0	10.00	0	92.4	70	130	9.342	1.14	40	
1,4-Dichlorobenzene	9.200	1.0	10.00	0	92.0	70	130	9.237	0.41	40	
n-Butylbenzene	8.667	1.0	10.00	0	86.7	70	130	8.627	0.461	40	
1,2-Dichlorobenzene	9.175	1.0	10.00	0	91.7	70	130	9.170	0.0481	40	
1,2-Dibromo-3-chloropropane	7.891	1.0	10.00	0	78.9	70	130	8.315	5.23	40	
1,2,4-Trichlorobenzene	8.686	1.0	10.00	0	86.9	70	130	8.729	0.497	40	
Hexachlorobutadiene	7.348	1.0	10.00	0	73.5	70	130	7.261	1.19	40	
1,2,3-Trichlorobenzene	7.912	1.0	10.00	0	79.1	70	130	7.756	2.0	40	
Naphthalene	7.887	1.0	10.00	0	78.9	70	130	7.537	4.54	40	
Xylene (Total)	27.25	1.0	30.00	0	90.8	70	130	28.35	3.94	40	
Surr: Dibromofluoromethane	10.16	1.0	10.00	0	102	70	130	0			
Surr: 1,2-Dichloroethane-d4	9.621	1.0	10.00	0	96.2	70	130	0			
Surr: Toluene-d8	9.720	1.0	10.00	0	97.2	70	130	0			
Surr: Bromofluorobenzene	9.842	1.0	10.00	0	98.4	70	130	0			

S
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Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

Mitkem Laboratories

09/Jan/08 17:33

WorkOrder: G0017

Client ID: EA_EASTSYR
Project: National Heatset
Location:
Comments: N/A

Case:
SDG:
PO: HEATSET

Report Level: LEVEL 2
EDD:
HC Due: 01/28/08
Fax Due: 01/21/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
G0017-01A	SVE-EFFLUENT	01/04/2008 11:00	01/07/2008	Air	TO14		☐	☐	☐ VOA

Client Rep: Agnes R Ng

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY: EA Engineering	PHONE: 315 431 4610	COMPANY:	PHONE:	LAB PROJECT #: G0017	
NAME: Dan Conan	FAX: 315 431 4280	NAME: Same	FAX:		
ADDRESS: 6712 Brooklawn Pkwy Suite 104		ADDRESS:		TURNAROUND TIME: STD	
CITY/ST/ZIP: Syracuse, NY 13211		CITY/ST/ZIP:			

CLIENT PROJECT NAME: National Heatset

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TO-14	COMMENTS
SVE-Effluent	1/4/08 1100		X			Air	01	1	X	
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Paul Dyer	1/4/08 1630	FedEx 8645 2232 9671	1/4/08 1630		ambient
		/	Veronica Gardner	1/7/08 8:15		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Received By: VEG | Reviewed By: KF | Date: 1/7/08 | MITKEM Workorder #: G0017

Client Project: EA ~~East Syr~~ VEG 1/7/08 Heat Set | Client: EA East Syr

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0017	01					A	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
~~Intact~~ / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature ambient
Coolant Condition

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 8645 2232 9671

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 1/7/08

9) Time Received 8:15

Preservative Name/Lot No:

VEG 1/7/08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes (no)

Rad OK yes/ no

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

February 11, 2008

EA Engineering Science & Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211
Attn: Mr. Don Conan

RE: Client Project: National Heatset
Lab Project #: G0105

Dear Mr. Conan:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Report of Laboratory Analyses for EA Engineering Science & Technology

Client Project: National Heatset, 01/23/08

Mitkem Work Order ID: G0105

February 11, 2008

Prepared For:

EA Engineering Science & Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211
Attn: Mr. Don Conan

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: EA Engineering Science & Technology

Client Project: National Heatset, 01/2308

Lab Project: G0105

Date samples received: 01/25/08

Project Narrative

This data report includes the analysis results for one (1) air sample in a Tedlar bag that was received from EA Engineering Science & Technology on January 25, 2008. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Work Order form is included for cross-referencing the client sample ID and laboratory sample ID.

All of the analyses were performed according to method specifications, as modified by Mitkem. Surrogate recoveries were within the QC limits. Spike recoveries were within the QC limits with the exception of low recovery of methylene chloride, trans-1,3-dichloroethene, methyl tert-butyl ether, 1,2-dibromo-3-chloropropane and naphthalene in the lab control sample. No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

Agnes Ng
CLP Project Manager

itkem Laboratories

Date: *05-Feb-08*

Client: EA Engineering Science & Technology
Client Sample ID: SVE-EFFLUENT
Lab ID: G0105-01

Project: National Heatset
Collection Date: 01/23/08 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			**TO14**				
Dichlorodifluoromethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Chloromethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Vinyl chloride	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Bromomethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Chloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Trichlorofluoromethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1-Dichloroethene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Acetone	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Iodomethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Carbon disulfide	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Methylene chloride	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
trans-1,2-Dichloroethene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Methyl tert-butyl ether	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1-Dichloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Vinyl acetate	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
2-Butanone	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
cis-1,2-Dichloroethene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
2,2-Dichloropropane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Chloroform	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1,1-Trichloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1-Dichloropropene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Carbon tetrachloride	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2-Dichloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Benzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Trichloroethene	0.24	J	1.0	mg/m³	1	01/28/2008 16:50	34615
1,2-Dichloropropane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Dibromomethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Bromodichloromethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
cis-1,3-Dichloropropene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
4-Methyl-2-pentanone	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Toluene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
trans-1,3-Dichloropropene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1,2-Trichloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,3-Dichloropropane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Tetrachloroethene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
2-Hexanone	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Dibromochloromethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2-Dibromoethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Chlorobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1,1,2-Tetrachloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Iitkem Laboratories

Date: *05-Feb-08*

Client: EA Engineering Science & Technology
Client Sample ID: SVE-EFFLUENT
Lab ID: G0105-01

Project: National Heatset
Collection Date: 01/23/08 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			**TO14**				
Ethylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Xylene (Total)	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Styrene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Bromoform	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Isopropylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,1,2,2-Tetrachloroethane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Bromobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2,3-Trichloropropane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
n-Propylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
2-Chlorotoluene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,3,5-Trimethylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
4-Chlorotoluene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
tert-Butylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2,4-Trimethylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
sec-Butylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
4-Isopropyltoluene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
,3-Dichlorobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,4-Dichlorobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
n-Butylbenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2-Dichlorobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2-Dibromo-3-chloropropane	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2,4-Trichlorobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Hexachlorobutadiene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
1,2,3-Trichlorobenzene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Naphthalene	ND		1.0	mg/m³	1	01/28/2008 16:50	34615
Surr: Dibromofluoromethane	107		70-130	%REC	1	01/28/2008 16:50	34615
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	01/28/2008 16:50	34615
Surr: Toluene-d8	96.6		70-130	%REC	1	01/28/2008 16:50	34615
Surr: Bromofluorobenzene	101		70-130	%REC	1	01/28/2008 16:50	34615

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: EA Engineering Science & Technology
Work Order: G0105
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **MB-34593** SampType: **MBLK** TestCode: **TO14** Prep Date: Run ID: **V6_080128B**
Client ID: **MB-34593** Batch ID: **34615** Units: **mg/m³** Analysis Date: **01/28/2008** SeqNo: **758574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.0									
Chloromethane	ND	1.0									
Vinyl chloride	ND	1.0									
Bromomethane	ND	1.0									
Chloroethane	ND	1.0									
Trichlorofluoromethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
Acetone	ND	1.0									
Iodomethane	ND	1.0									
Carbon disulfide	ND	1.0									
Methylene chloride	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
Methyl tert-butyl ether	ND	1.0									
1,1-Dichloroethane	ND	1.0									
Vinyl acetate	ND	1.0									
2-Butanone	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
2,2-Dichloropropane	ND	1.0									
Chloroform	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1-Dichloropropene	ND	1.0									
Carbon tetrachloride	ND	1.0									
1,2-Dichloroethane	ND	1.0									
Benzene	ND	1.0									
Trichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
Dibromomethane	ND	1.0									
Bromodichloromethane	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
4-Methyl-2-pentanone	ND	1.0									
Toluene	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,3-Dichloropropane	ND	1.0									
Tetrachloroethene	ND	1.0									
2-Hexanone	ND	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EA Engineering Science & Technology
Work Order: G0105
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **MB-34593** SampType: **MBLK** TestCode: **TO14** Prep Date: Run ID: **V6_080128B**
Client ID: **MB-34593** Batch ID: **34615** Units: **mg/m³** Analysis Date: **01/28/2008** SeqNo: **758574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.0									
1,2-Dibromoethane	ND	1.0									
Chlorobenzene	ND	1.0									
1,1,1,2-Tetrachloroethane	ND	1.0									
Ethylbenzene	ND	1.0									
Styrene	ND	1.0									
Bromoform	ND	1.0									
Isopropylbenzene	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
Bromobenzene	ND	1.0									
1,2,3-Trichloropropane	ND	1.0									
n-Propylbenzene	ND	1.0									
2-Chlorotoluene	ND	1.0									
1,3,5-Trimethylbenzene	ND	1.0									
4-Chlorotoluene	ND	1.0									
tert-Butylbenzene	ND	1.0									
1,2,4-Trimethylbenzene	ND	1.0									
sec-Butylbenzene	ND	1.0									
4-Isopropyltoluene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
n-Butylbenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
1,2,3-Trichlorobenzene	0.2300	1.0									J
Naphthalene	0.2300	1.0									J
Xylene (Total)	ND	1.0									
Surr: Dibromofluoromethane	10.46	1.0	10.00	0	105	70	130	0			
Surr: 1,2-Dichloroethane-d4	10.05	1.0	10.00	0	101	70	130	0			
Surr: Toluene-d8	9.549	1.0	10.00	0	95.5	70	130	0			
Surr: Bromofluorobenzene	10.53	1.0	10.00	0	105	70	130	0			

5056

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EA Engineering Science & Technology
Work Order: G0105
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCS-34593** SampType: **LCS** TestCode: **TO14** Prep Date: Run ID: **V6_080128B**
Client ID: **LCS-34593** Batch ID: **34615** Units: **mg/m³** Analysis Date: **01/28/2008** SeqNo: **758575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.473	1.0	10.00	0	84.7	70	130	0			
Chloromethane	9.617	1.0	10.00	0	96.2	70	130	0			
Vinyl chloride	10.41	1.0	10.00	0	104	70	130	0			
Bromomethane	9.684	1.0	10.00	0	96.8	70	130	0			
Chloroethane	9.088	1.0	10.00	0	90.9	70	130	0			
Trichlorofluoromethane	11.05	1.0	10.00	0	111	70	130	0			
1,1-Dichloroethene	10.06	1.0	10.00	0	101	70	130	0			
Acetone	11.18	1.0	10.00	0	112	70	130	0			
Iodomethane	9.520	1.0	10.00	0	95.2	70	130	0			
Carbon disulfide	10.02	1.0	10.00	0	100	70	130	0			
Methylene chloride	6.682	1.0	10.00	0	66.8	70	130	0			S
trans-1,2-Dichloroethene	6.903	1.0	10.00	0	69.0	70	130	0			S
Methyl tert-butyl ether	6.568	1.0	10.00	0	65.7	70	130	0			S
1,1-Dichloroethane	9.129	1.0	10.00	0	91.3	70	130	0			
Vinyl acetate	8.419	1.0	10.00	0	84.2	70	130	0			
2-Butanone	8.661	1.0	10.00	0	86.6	70	130	0			
cis-1,2-Dichloroethene	8.613	1.0	10.00	0	86.1	70	130	0			
2,2-Dichloropropane	9.013	1.0	10.00	0	90.1	70	130	0			
Chloroform	9.247	1.0	10.00	0	92.5	70	130	0			
1,1,1-Trichloroethane	8.715	1.0	10.00	0	87.2	70	130	0			
1,1-Dichloropropene	8.539	1.0	10.00	0	85.4	70	130	0			
Carbon tetrachloride	8.767	1.0	10.00	0	87.7	70	130	0			
1,2-Dichloroethane	8.947	1.0	10.00	0	89.5	70	130	0			
Benzene	8.739	1.0	10.00	0	87.4	70	130	0			
Trichloroethene	8.320	1.0	10.00	0	83.2	70	130	0			
1,2-Dichloropropane	8.832	1.0	10.00	0	88.3	70	130	0			
Dibromomethane	8.495	1.0	10.00	0	85.0	70	130	0			
Bromodichloromethane	9.030	1.0	10.00	0	90.3	70	130	0			
cis-1,3-Dichloropropene	8.761	1.0	10.00	0	87.6	70	130	0			
4-Methyl-2-pentanone	7.142	1.0	10.00	0	71.4	70	130	0			
Toluene	8.658	1.0	10.00	0	86.6	70	130	0			
trans-1,3-Dichloropropene	8.918	1.0	10.00	0	89.2	70	130	0			
1,1,2-Trichloroethane	8.195	1.0	10.00	0	82.0	70	130	0			
1,3-Dichloropropane	8.091	1.0	10.00	0	80.9	70	130	0			
Tetrachloroethene	7.910	1.0	10.00	0	79.1	70	130	0			
2-Hexanone	7.426	1.0	10.00	0	74.3	70	130	0			
Dibromochloromethane	8.402	1.0	10.00	0	84.0	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: EA Engineering Science & Technology
Work Order: G0105
Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: **LCS-34593**	SampType: **LCS**	TestCode: **TO14**	Prep Date:	Run ID: **V6_080128B**	
Client ID: **LCS-34593**	Batch ID: **34615**	Units: **mg/m³**	Analysis Date: **01/28/2008**	SeqNo: **758575**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	7.790	1.0	10.00	0	77.9	70	130	0			
Chlorobenzene	8.215	1.0	10.00	0	82.1	70	130	0			
1,1,1,2-Tetrachloroethane	8.146	1.0	10.00	0	81.5	70	130	0			
Ethylbenzene	8.000	1.0	10.00	0	80.0	70	130	0			
Styrene	8.250	1.0	10.00	0	82.5	70	130	0			
Bromoform	9.019	1.0	10.00	0	90.2	70	130	0			
Isopropylbenzene	8.211	1.0	10.00	0	82.1	70	130	0			
1,1,2,2-Tetrachloroethane	7.515	1.0	10.00	0	75.2	70	130	0			
Bromobenzene	8.053	1.0	10.00	0	80.5	70	130	0			
1,2,3-Trichloropropane	8.722	1.0	10.00	0	87.2	70	130	0			
n-Propylbenzene	7.907	1.0	10.00	0	79.1	70	130	0			
2-Chlorotoluene	7.920	1.0	10.00	0	79.2	70	130	0			
1,3,5-Trimethylbenzene	8.081	1.0	10.00	0	80.8	70	130	0			
4-Chlorotoluene	8.105	1.0	10.00	0	81.1	70	130	0			
tert-Butylbenzene	8.040	1.0	10.00	0	80.4	70	130	0			
1,2,4-Trimethylbenzene	8.024	1.0	10.00	0	80.2	70	130	0			
sec-Butylbenzene	8.138	1.0	10.00	0	81.4	70	130	0			
4-Isopropyltoluene	8.015	1.0	10.00	0	80.1	70	130	0			
1,3-Dichlorobenzene	7.983	1.0	10.00	0	79.8	70	130	0			
1,4-Dichlorobenzene	8.023	1.0	10.00	0	80.2	70	130	0			
n-Butylbenzene	8.448	1.0	10.00	0	84.5	70	130	0			
1,2-Dichlorobenzene	7.971	1.0	10.00	0	79.7	70	130	0			
1,2-Dibromo-3-chloropropane	6.909	1.0	10.00	0	69.1	70	130	0			S
1,2,4-Trichlorobenzene	7.220	1.0	10.00	0	72.2	70	130	0			
Hexachlorobutadiene	9.294	1.0	10.00	0	92.9	70	130	0			
1,2,3-Trichlorobenzene	7.102	1.0	10.00	0	71.0	70	130	0			B
Naphthalene	5.825	1.0	10.00	0	58.3	70	130	0			BS
Xylene (Total)	24.62	1.0	30.00	0	82.1	70	130	0			
Surr: Dibromofluoromethane	10.50	1.0	10.00	0	105	70	130	0			
Surr: 1,2-Dichloroethane-d4	10.48	1.0	10.00	0	105	70	130	0			
Surr: Toluene-d8	9.753	1.0	10.00	0	97.5	70	130	0			
Surr: Bromofluorobenzene	10.27	1.0	10.00	0	103	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Mitkem Laboratories

25/Jan/08 18:00

WorkOrder: G0105

Client ID: EA_EASTSYR
Project: National Heatset
Location:
Comments: N/A

Case:
SDG:
PO: HEATSET

Report Level: LEVEL 2
EDD:
HC Due: 02/15/08
Fax Due: 02/08/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
G0105-01A	SVE-EFFLUENT	01/23/2008 13:00	01/25/2008	Air	TO14		☐	☐	☐ VOA

5555

Client Rep: Agnes R Ng

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY: EA Engineering	PHONE: (315) 491 6644	COMPANY: Same	PHONE:	LAB PROJECT #: G0105	
NAME: Don Conan	FAX:	NAME:	FAX:		
ADDRESS: 6712 Brooklawn Pkwy		ADDRESS:		TURNAROUND TIME: STD	
CITY/ST/ZIP: Syracuse, NY 13211		CITY/ST/ZIP:			

CLIENT PROJECT NAME: National Heatset

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES: TO-14

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TO-14	COMMENTS
SVE-Effluent	1/23/08 1300		X			Air	01	1	X	
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Paul Riga	1/24/08 1900	FedEx 8640 6565 2747	1/24/08 1900
		/	Virginia Grandinetti	1/25/08 9:00
		/		/

ADDITIONAL REMARKS:

COOLER TEMP: ambient

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

SVES

MITKEM LABORATORIES

Sample Condition Form

Received By: VEG | Reviewed By: [illegible] | Date: 1/25/08 | MITKEM Workorder #: G0105

Client Project: EA HeatSet | Client: EA-East-SYR

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature ambient
Coolant Condition

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
8040 6565 2747

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 1/25/08

9) Time Received 9:00

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0105	01					A	

VEG 1/25/08

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

Last Page of Data Report