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customer deliverable

Print Date: 8/14/2014

Subject: Review of Region 5 Data for Behr Dayton Thermal Systems

From: Matt Kobus, Chemist
Contractor to Region 5 Central Regional Laboratory
Submitted to CRL on

To: Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Attached are Results for: Behr Dayton Thermal Systems

Analyses included in this report:

Volatile Low Level Full List	Volatiles Full List

/ /

Data Management Coordinator and Date Received

Date Transmitted: _____/_____/_ . ___

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-0375 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

_____ _____/_____/_____

Received by and Date

Comments:

TechLaw
quality & integrity

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WORK ORDER

Printed: 3/20/2014 7:28:32AM

E140307

TechLaw - ESAT Contract

Client: Superfund, US EPA Region 5
Project: Behr Dayton Thermal Systems

Project Manager: James D. Burden
Project Number: [none]

Report To:
Howard Pham
Superfund, US EPA Region 5

77 West Jackson Boulevard
Chicago, IL 60604

Phone: (312) 353-2310
Fax: (312) 886-6171

Date Due: Apr-17-14 15:00 (30 day TAT)
Received By: Stephen Connet
Logged In By: Stephen Connet

Date Received: Mar-18-14 11:35
Date Logged In: Mar-18-14 13:24

Samples Received at:	5.8°C
Custody Seals	Yes
Containers Intact	Yes
COC/Labels Agree	Yes
Preservation Confirmed	Yes

Analysis	Due	TAT	Expires	Comments
E140307-01 OEPA-01 [Water] Sampled Mar-13-14 11:35 Eastern				**14CB02-11**
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 10:35	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 10:35	
E140307-02 OEPA-02-DUP [Water] Sampled Mar-13-14 10:20 Eastern				**14CB02-12: Field Duplicate of E140307-03**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 09:20	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 09:20	
E140307-03 OEPA-02 [Water] Sampled Mar-13-14 10:20 Eastern				**14CB02-13**
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 09:20	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 09:20	
E140307-04 OEPA-03 [Water] Sampled Mar-13-14 11:15 Eastern				**14CB02-14**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 10:15	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 10:15	
E140307-05 PZ-0261 [Water] Sampled Mar-13-14 14:00 Eastern				**14CB02-15**
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 13:00	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 13:00	
E140307-06 PZ-026D [Water] Sampled Mar-13-14 12:40 Eastern				**14CB02-16**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 11:40	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 11:40	

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E140307

TechLaw - ESAT Contract

Client: Superfund, US EPA Region 5
Project: Behr Dayton Thermal Systems

Project Manager: James D. Burden
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
E140307-07 MW63S-COD [Water] Sampled Mar-12-14 14:03 Eastern				**14CB02-17**
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 13:03	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 13:03	
E140307-08 MW71S-COD [Water] Sampled Mar-13-14 11:10 Eastern				**14CB02-18**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 10:10	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 10:10	
E140307-09 MW48S-COD [Water] Sampled Mar-13-14 13:49 Eastern				**14CB02-19**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 12:49	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 12:49	
E140307-10 MW66S-COD [Water] Sampled Mar-12-14 12:34 Eastern				**14CB02-20**
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 11:34	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 11:34	
E140307-11 MW48D-COD [Water] Sampled Mar-13-14 12:00 Eastern				**14CB02-21**
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 11:00	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 11:00	
E140307-12 MW67S-COD [Water] Sampled Mar-12-14 11:20 Eastern				**14CB02-22**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 10:20	
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 10:20	
E140307-13 MW64S-COD [Water] Sampled Mar-12-14 11:06 Eastern				**14CB02-23**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 10:06	
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 10:06	
E140307-14 MW70S-COD [Water] Sampled Mar-13-14 11:10 Eastern				**14CB02-24**
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 10:10	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 10:10	
E140307-15 MW107S-COD [Water] Sampled Mar-13-14 14:03 Eastern				**14CB02-25**
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 13:03	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 13:03	
E140307-16 MW50S-COD [Water] Sampled Mar-12-14 13:55 Eastern				**14CB02-26**
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 12:55	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 12:55	
E140307-17 MW50D-COD [Water] Sampled Mar-12-14 12:45 Eastern				**14CB02-27**
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 11:45	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 11:45	

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E140307

TechLaw - ESAT Contract

Client: Superfund, US EPA Region 5
Project: Behr Dayton Thermal Systems

Project Manager: James D. Burden
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
E140307-18 MW50D-COD-DUP [Water] Sampled Mar-12-14 12:45 Eastern				**14CB02-28: Field Duplicate of E140307-17**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 11:45	
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 11:45	
E140307-19 BE-MW1011 [Water] Sampled Mar-13-14 15:25 Eastern				**14CB02-29**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 14:25	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 14:25	
E140307-20 BE-MW101S [Water] Sampled Mar-13-14 13:35 Eastern				**14CB02-32**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-27-14 12:35	
Volatiles Full List	Apr-17-14 12:00	30	Mar-27-14 12:35	
E140307-21 TRIPBLANK-7 [Water] Sampled Mar-13-14 00:00 Eastern				**14CB02-82: Trip blank for E140307-01 thru -21**
Volatiles Full List	Apr-17-14 12:00	30	Mar-26-14 23:00	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-26-14 23:00	
E140307-22 MW-08S [Water] Sampled Mar-14-14 16:01 Eastern				**14CB02-33**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 15:01	
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 15:01	
E140307-23 MW-11S [Water] Sampled Mar-14-14 16:35 Eastern				**14CB02-34**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 15:35	
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 15:35	
E140307-24 MWB-003 [Water] Sampled Mar-14-14 16:45 Eastern				**14CB02-35**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 15:45	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 15:45	
E140307-25 PZ-8I [Water] Sampled Mar-14-14 15:14 Eastern				**14CB02-38**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 14:14	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 14:14	
E140307-26 GC-MW101S [Water] Sampled Mar-14-14 11:55 Eastern				**14CB02-40**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 10:55	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 10:55	
E140307-27 GC-MW105S [Water] Sampled Mar-14-14 10:50 Eastern				**14CB02-41**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 09:50	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 09:50	
E140307-28 MW-1 [Water] Sampled Mar-14-14 10:46 Eastern				**14CB02-42**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 09:46	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 09:46	

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E140307

TechLaw - ESAT Contract

Client: Superfund, US EPA Region 5
Project: Behr Dayton Thermal Systems

Project Manager: James D. Burden
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
E140307-29 MW-2 [Water] Sampled Mar-14-14 11:49 Eastern				**14CB02-43**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 10:49	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 10:49	
E140307-30 P-1 [Water] Sampled Mar-14-14 13:00 Eastern				**14CB02-47**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 12:00	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 12:00	
E140307-31 P-2 [Water] Sampled Mar-14-14 12:10 Eastern				**14CB02-48**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 11:10	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 11:10	
E140307-32 P-3 [Water] Sampled Mar-14-14 11:15 Eastern				**14CB02-49**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 10:15	
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 10:15	
E140307-33 P-4 [Water] Sampled Mar-14-14 13:54 Eastern				**14CB02-50**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 12:54	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 12:54	
E140307-34 P-5 [Water] Sampled Mar-14-14 15:15 Eastern				**14CB02-51**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 14:15	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 14:15	
E140307-35 P-6 [Water] Sampled Mar-14-14 15:05 Eastern				**14CB02-52**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 14:05	
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 14:05	
E140307-36 OEPA-06 [Water] Sampled Mar-14-14 09:35 Eastern				**14CB02-53: MS/MSD**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 08:35	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 08:35	
E140307-37 OEPA-07 [Water] Sampled Mar-14-14 12:50 Eastern				**14CB02-54**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 11:50	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 11:50	
E140307-38 OEPA-11 [Water] Sampled Mar-14-14 13:50 Eastern				**14CB02-56**
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 12:50	
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 12:50	
E140307-39 OEPA-12 [Water] Sampled Mar-14-14 11:00 Eastern				**14CB02-57**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 10:00	
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 10:00	

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Printed: 3/20/2014 7:28:32AM

E140307

TechLaw - ESAT Contract

Client: Superfund, US EPA Region 5
Project: Behr Dayton Thermal Systems

Project Manager: James D. Burden
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
E140307-40 TRIPBLANK-9 [Water] Sampled Mar-15-14 00:00 Eastern				**14CB02-84: Trip blank for E140307-22 thru -40**
Volatile Low Level Full List	Apr-17-14 12:00	30	Mar-28-14 23:00	
Volatiles Full List	Apr-17-14 12:00	30	Mar-28-14 23:00	

Reviewed By

3/20/14
Date

CASE NARRATIVE

DATE: 4/2/2014

PROJECT NAME: Data Set E140307, Volatile Analysis of the Behr Dayton Thermal Samples

ANALYST: Thomas Sedlacek, ESAT

I CASE DESCRIPTION:

This case consists of forty (40) water samples for volatile analysis. The Laboratory received forty (40) samples on March 18, 2014; Lab ID E140307-01 through E140307-40. Seven (7) samples E140307-07; E140307-10; E140307-12; E140307-13 and E140307-16 to E140307-18 were sampled on March 12, 2014. Fourteen (14) samples E140307-01 to E140307-06; E140307-08 to E140307-09; E140307-11; E140307-14 to E140307-15 and E140307-19 to E140307-21 were sampled March 13, 2014. Eighteen (18) samples E140307-22 to E140307-39 were sampled March 14, 3014. The trip blank E140307-40 was sampled March 15, 2014. All samples were analyzed for the full volatile organic target list, by CRL SOP MS009.

The samples were analyzed on March 21 to March 24, 2014. Holding time requirements of two weeks for preserved water samples were met. No other problems were observed.

II INSTRUMENT QUALITY CONTROLS:

1. **Initial Calibration (IC):** An acceptable 7 point IC is required for all target compounds before samples can be analyzed and the percent relative standard deviation (%RSD) of the response factors must be less than or equal to 30%.

   No other problems were observed.

2. **Continuing Calibration Verification (CCV):** An acceptable CCV is required for all target compounds before samples can be analyzed and the percent difference (%D) of the response factors must be less than or equal to 25%.

   The opening and closing CCV's were reported as blank spike/blank spike duplicates. All CCV compounds are required to be within the limits of ± 25% for all reported compounds.

   In EC42001-BSD1, dichlorodifluoromethane, chloroethane, and 1,1-dichloroethene were outside the QC limits high and bromomethane, and 2,2-dichloropropane were outside the QC limits low.

   In EC42002-BS1, acrolein and 2,2-dichloropropane were outside the QC limits low.

In EC42002-BSD1, dichlorodifluoromethane, acrolein and 2,2-dichloropropane were outside the QC limits low and 1,2,3-trichloropropane was outside the QC limits high .

In EC42401-BS1, dichlorodifluoromethane, chloromethane, vinyl chloride, and carbon disulfide were outside the QC limits low.

In EC42401-BSD1, dichlorodifluoromethane and chloromethane were outside the QC limits low and tert-butylbenzene was outside the QC limits high.

Therefore in the samples run before EC42001, the results for Bromomethane, and 2,2-Dichloropropane are flagged "L" for positive results and "J" for non-detects and positive results for dichlorodifluoromethane, chloroethane, and 1,1-dichloroethene are flagged "K".

For the samples run between EC42002-BS1 and EC42002-BSD1, for dichlorodifluoromethane, acrolein and 2,2-dichloropropane positive results are flagged "L" and non-detects "J".

The samples analyzed between EC4201-BS1 and EC4201-BSD1 were only for dilutions of compounds which met QC limits.

No other problems were observed.

III METHOD QUALITY CONTROL:

1. **Method Blank:** A Method Blank was analyzed with each batch of samples that were analyzed, to check for laboratory contamination.

   Sample EC42001-BLK1 contained Acetone at 2.3 µg/L

   Sample EC42002-BLK1 contained Acetone at 1.8 µg/L.

   Sample EC42401-BLK1 contained Acetone at 1.7 µg/L.

   Therefore the results for acetone in the samples are flagged "K" when the sample concentration is less than 5x the concentration of associated method blank.

2. **Matrix Spike/Matrix Spike Duplicate:**
   The recoveries of all spiked compounds were within the quality control Limits with the exception of:

   In EC42002-MS1 the recoveries of dichlorodifluoromethane, chloromethane, vinyl chloride, acrylonitrile and bromomethane was below the lower limit and carbon disulfide was above the upper limit.

   In EC42002-MSD1 the recoveries of dichlorodifluoromethane, chloromethane,

vinyl chloride, acrylonitrile and bromomethane was below the lower limit and carbon disulfide was above the upper limit.

Therefore in the unspiked sample E140307-36, the results for dichlorodifluoromethane, chloromethane, vinyl chloride, acrylonitrile and bromomethane, detects are qualified "L" and the non-detects are qualified "UJ", and results for carbon disulfide detect is qualified "K" but the non-detect results should not be qualified.

IV SAMPLE RESULTS:

Laboratory ID EC42001-BLK1, EC42002-BLK1 and EC42401-BLK1 are the laboratory method blanks,

Samples not meeting all QC requirements for the IS and surrogates were re-analyzed and the results with the best QC was reported.

Samples E140307-21 and E140307-40 are trip blanks. There is no regional guidance for qualifying samples based on trip blank contamination. The end user must determine what, if any, actions are needed.

After analysis, the check of the sample pH confirmed proper preservation of the trip blanks.

The following samples are field duplicates E140307-02 and E140307-03; E140307-17 and E140307-18 no action is taken for field duplicates.

All quality control measures not specifically discussed in this narrative met quality criteria stated in the SOP MS009 dated June 26, 2013.

Upon review of the raw data file it was determined that a dilution transcription error was made for the trichloroethene in samples E140307-05 and E140307-25. The correct dilution factors for this compound are 100x in E140307-05 and 2500x in E140307-25. The appropriate factors were entered into LIMS to generate the actual concentrations present in the samples

The cause of the error was due to the dilution being placed in the incorrect sequence field. Dilutions were placed in the sample information field instead of the miscellaneous information field. This caused the dilution factor not to print on the data report; it had to be written in by hand. The incorrect sequence line was read and the dilution for sample -25 dilution(1) was placed on the report for the previously analyzed sample -5 and the dilution value for sample -25 dilution(2) was placed on the report for -25 dilution(1). This was confirmed by comparing the full sample analysis log file for the "Atomix" auto-sampler and the chemstation log files. The mislabeled dilutions were not found during review as the results for this compound matched the results reported in "LIMS" and the concentration of the target was saturated in the initial analysis, which is not uncommon for final results to vary from saturated result.

Analytical data packages prepared by the EPA Region 5 Chicago Regional Laboratory (CRL) or the Superfund ESAT contractors working in our space are verified in accordance with the CRL Quality Management Plan or ESAT Quality Management Plan, respectively. CRL and ESAT data reports in the final analytical data package include the data qualifiers assigned through our data verification processes, as well as an explanation of the data qualifiers assigned by the scientists who performed the analyses as well as the chemist that conducted the data verification. A report narrative, which explains quality control outliers and other significant issues affecting data quality, is also provided. This information constitutes the Region 5 CRL and ESAT processes that are equivalent to the data validation report provided with Contract Laboratory Program (CLP) data packages.

Manual calculation Sheet for Tetrachloroethene in Sample E140307-01

$$ug/L = \frac{(Ac \times Cs)}{(Ai \times RF \times W)}$$

Concentration = 5.1 µg/L

$$ug/L = \frac{(1419420 \times 50)}{(770244 \times 0.717 \times 25)}$$

Concentration = 5.14 µg/L which rounds to 5.1 µg/L

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OEPA-01	E140307-01	Water	Mar-13-14 11:35	Mar-18-14 11:35
OEPA-02-DUP	E140307-02	Water	Mar-13-14 10:20	Mar-18-14 11:35
OEPA-02	E140307-03	Water	Mar-13-14 10:20	Mar-18-14 11:35
OEPA-03	E140307-04	Water	Mar-13-14 11:15	Mar-18-14 11:35
PZ-026I	E140307-05	Water	Mar-13-14 14:00	Mar-18-14 11:35
PZ-026D	E140307-06	Water	Mar-13-14 12:40	Mar-18-14 11:35
MW63S-COD	E140307-07	Water	Mar-12-14 14:03	Mar-18-14 11:35
MW71S-COD	E140307-08	Water	Mar-13-14 11:10	Mar-18-14 11:35
MW48S-COD	E140307-09	Water	Mar-13-14 13:49	Mar-18-14 11:35
MW66S-COD	E140307-10	Water	Mar-12-14 12:34	Mar-18-14 11:35
MW48D-COD	E140307-11	Water	Mar-13-14 12:00	Mar-18-14 11:35
MW67S-COD	E140307-12	Water	Mar-12-14 11:20	Mar-18-14 11:35
MW64S-COD	E140307-13	Water	Mar-12-14 11:06	Mar-18-14 11:35
MW70S-COD	E140307-14	Water	Mar-13-14 11:10	Mar-18-14 11:35
MW107S-COD	E140307-15	Water	Mar-13-14 14:03	Mar-18-14 11:35
MW50S-COD	E140307-16	Water	Mar-12-14 13:55	Mar-18-14 11:35
MW50D-COD	E140307-17	Water	Mar-12-14 12:45	Mar-18-14 11:35
MW50D-COD-DUP	E140307-18	Water	Mar-12-14 12:45	Mar-18-14 11:35
BE-MW101I	E140307-19	Water	Mar-13-14 15:25	Mar-18-14 11:35
BE-MW101S	E140307-20	Water	Mar-13-14 13:35	Mar-18-14 11:35
TRIPBLANK-7	E140307-21	Water	Mar-13-14 00:00	Mar-18-14 11:35
MW-08S	E140307-22	Water	Mar-14-14 16:01	Mar-18-14 11:35
MW-11S	E140307-23	Water	Mar-14-14 16:35	Mar-18-14 11:35
MWB-003	E140307-24	Water	Mar-14-14 16:45	Mar-18-14 11:35
PZ-8I	E140307-25	Water	Mar-14-14 15:14	Mar-18-14 11:35
GC-MW101S	E140307-26	Water	Mar-14-14 11:55	Mar-18-14 11:35
GC-MW105S	E140307-27	Water	Mar-14-14 10:50	Mar-18-14 11:35
MW-1	E140307-28	Water	Mar-14-14 10:46	Mar-18-14 11:35

8/18/14
Matt Kobus, Chemist

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	E140307-29	Water	Mar-14-14 11:49	Mar-18-14 11:35
P-1	E140307-30	Water	Mar-14-14 13:00	Mar-18-14 11:35
P-2	E140307-31	Water	Mar-14-14 12:10	Mar-18-14 11:35
P-3	E140307-32	Water	Mar-14-14 11:15	Mar-18-14 11:35
P-4	E140307-33	Water	Mar-14-14 13:54	Mar-18-14 11:35
P-5	E140307-34	Water	Mar-14-14 15:15	Mar-18-14 11:35
P-6	E140307-35	Water	Mar-14-14 15:05	Mar-18-14 11:35
OEPA-06	E140307-36	Water	Mar-14-14 09:35	Mar-18-14 11:35
OEPA-07	E140307-37	Water	Mar-14-14 12:50	Mar-18-14 11:35
OEPA-11	E140307-38	Water	Mar-14-14 13:50	Mar-18-14 11:35
OEPA-12	E140307-39	Water	Mar-14-14 11:00	Mar-18-14 11:35
TRIPBLANK-9	E140307-40	Water	Mar-15-14 00:00	Mar-18-14 11:35

Matt Kobus, Chemist

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Superfund. US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

OEPA-01 (E140307-01) Water Sampled: Mar-13-14 11:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*102 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*100 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.4 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	1.3		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.4		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

8/18/14
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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-01 (E140307-01) Water Sampled: Mar-13-14 11:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	0.8		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	0.5		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	5.1		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	3.0		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

OEPA-01 (E140307-01) Water Sampled: Mar-13-14 11:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	U		0.5	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14

OEPA-02-DUP (E140307-02) Water Sampled: Mar-13-14 10:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.9 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*100 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	Reported:
Chicago Il., 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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OEPA-02-DUP (E140307-02) Water Sampled: Mar-13-14 10:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	1.1	K	0.7	5.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	1.9		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	0.8		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-02-DUP (E140307-02) Water Sampled: Mar-13-14 10:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	3.4		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

OEPA-02 (E140307-03) Water Sampled: Mar-13-14 10:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.8 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.5 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

OEPA-02 (E140307-03) Water Sampled: Mar-13-14 10:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	1.8		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	Reported:
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-02 (E140307-03) Water Sampled: Mar-13-14 10:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	0.7		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	3.4		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

OEPA-03 (E140307-04) Water Sampled: Mar-13-14 11:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*96.7 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.0 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	1.4		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	1.0		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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OEPA-03 (E140307-04) Water Sampled: Mar-13-14 11:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3-Dichlorobenzene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	2.6		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	2.9		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

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OEPA-03 (E140307-04) Water Sampled: Mar-13-14 11:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	1.7		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	0.5		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	80		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-21-14
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

PZ-026I (E140307-05) Water Sampled: Mar-13-14 14:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.6 %*		*49-165*	*EC42401*	*Mar-20-14*	*Mar-24-14*
Surrogate: Benzene-d6	2.0			*102 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.3 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	37		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	0.6		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	3.9		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	4.3		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

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PZ-026I (E140307-05) Water Sampled: Mar-13-14 14:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2-Dibromo-3-chloropropane	U		0.3	1.0	ug/L	1	EC42401	Mar-20-14	Mar-24-14
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	0.5		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U	J	0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	0.5		0.4	1.0	"	"	"	"	"
Chloromethane	U	J	0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	140		4.1	10	"	10	"	"	Mar-24-14
cis-1,3-Dichloropropene	U		0.4	1.0	"	1	"	"	Mar-24-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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PZ-026I (E140307-05) Water Sampled: Mar-13-14 14:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Ethylbenzene	U		0.4	1.0	ug/L	1	EC42401	Mar-20-14	Mar-24-14
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	11		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	940		44	100	"	100	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-24-14
Vinyl chloride	U	J	0.5	1.0	"	"	"	"	"

PZ-026D (E140307-06) Water Sampled: Mar-13-14 12:40 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.1 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.8 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.4		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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PZ-026D (E140307-06) Water Sampled: Mar-13-14 12:40 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,1-Dichloropropene	U		0.5	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	0.5		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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PZ-026D (E140307-06) Water Sampled: Mar-13-14 12:40 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
cis-1,2-Dichloroethene	11		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	0.8		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.2		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	0.9		0.5	1.0	"	"	"	"	"

8/18/14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW63S-COD (E140307-07) Water Sampled: Mar-12-14 14:03 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.3 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*99.9 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*97.6 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	5.5		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	6.0		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW63S-COD (E140307-07) Water Sampled: Mar-12-14 14:03 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	0.8		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	5.1		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW63S-COD (E140307-07) Water Sampled: Mar-12-14 14:03 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	U		0.5	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14

MW71S-COD (E140307-08) Water Sampled: Mar-13-14 11:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*101 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*100 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.1 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW71S-COD (E140307-08) Water Sampled: Mar-13-14 11:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	U		0.7	5.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	0.5		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW71S-COD (E140307-08) Water Sampled: Mar-13-14 11:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	0.6		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW48S-COD (E140307-09) Water Sampled: Mar-13-14 13:49 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*97.4 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.1			*103 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*102 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	12		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.7		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	Reported:
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW48S-COD (E140307-09) Water Sampled: Mar-13-14 13:49 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

8/18/14

Matt Kobus, Chemist

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW48S-COD (E140307-09) Water Sampled: Mar-13-14 13:49 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.6		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW66S-COD (E140307-10) Water Sampled: Mar-12-14 12:34 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*101 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*99.4 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.5 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago Il., 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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MW66S-COD (E140307-10) Water Sampled: Mar-12-14 12:34 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3-Dichlorobenzene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	1.0	K	0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"

8/18/14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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MW66S-COD (E140307-10) Water Sampled: Mar-12-14 12:34 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	U		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW48D-COD (E140307-11) Water Sampled: Mar-13-14 12:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*95.4 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*98.1 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*97.1 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	2.5		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	6.5		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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MW48D-COD (E140307-11) Water Sampled: Mar-13-14 12:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2-Dibromoethane (EDB)	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	5.8		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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MW48D-COD (E140307-11) Water Sampled: Mar-13-14 12:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Hexachlorobutadiene	U		0.3	1.0	ug/l.	1	EC42001	Mar-20-14	Mar-21-14
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	11		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW67S-COD (E140307-12) Water Sampled: Mar-12-14 11:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*95.3 %*	*49-165*		*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*101 %*	*57-135*		"	"	"
Surrogate: Toluene-d8	2.0			*99.1 %*	*56-151*		"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	240		4.4	10	"	10	"	"	Mar-24-14
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	1	"	"	Mar-21-14
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	1.4		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	3.2	K	0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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MW67S-COD (E140307-12) Water Sampled: Mar-12-14 11:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2,3-Trichlorobenzene	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	1.9		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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MW67S-COD (E140307-12) Water Sampled: Mar-12-14 11:20 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
cis-1,3-Dichloropropene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	37		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW64S-COD (E140307-13) Water Sampled: Mar-12-14 11:06 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*95.6 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-21-14*
Surrogate: Benzene-d6	2.0			*102 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.2 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	98		4.4	10	"	10	"	"	Mar-24-14
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	1	"	"	Mar-21-14
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	8.7		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	4.2	K	0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW64S-COD (E140307-13) Water Sampled: Mar-12-14 11:06 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	2.2		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	270		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-21-14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW64S-COD (E140307-13) Water Sampled: Mar-12-14 11:06 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	U		0.5	1.0	ug/L	1	EC42001	Mar-20-14	Mar-21-14

MW70S-COD (E140307-14) Water Sampled: Mar-13-14 11:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.4 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.4 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.0 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW70S-COD (E140307-14) Water Sampled: Mar-13-14 11:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	**0.9**	K	0.7	5.0	ug/l.	1	EC42001	Mar-20-14	Mar-22-14
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	**0.7**		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

8/18/14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW70S-COD (E140307-14) Water Sampled: Mar-13-14 11:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.4		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW107S-COD (E140307-15) Water Sampled: Mar-13-14 14:03 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*99.1 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*100 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.3 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW107S-COD (E140307-15) Water Sampled: Mar-13-14 14:03 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

8/18/14

Matt Kobus, Chemist

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Phatn	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW107S-COD (E140307-15) Water Sampled: Mar-13-14 14:03 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	U		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW50S-COD (E140307-16) Water Sampled: Mar-12-14 13:55 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*102 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*99.6 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.7 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	**0.4**		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	**1.0**		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW50S-COD (E140307-16) Water Sampled: Mar-12-14 13:55 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3-Dichlorobenzene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	10		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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MW50S-COD (E140307-16) Water Sampled: Mar-12-14 13:55 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	0.9		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.6		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW50D-COD (E140307-17) Water Sampled: Mar-12-14 12:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*97.4 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.4 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*97.5 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW50D-COD (E140307-17) Water Sampled: Mar-12-14 12:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2-Dibromoethane (EDB)	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	2.3		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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MW50D-COD (E140307-17) Water Sampled: Mar-12-14 12:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Hexachlorobutadiene	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	U		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW50D-COD-DUP (E140307-18) Water Sampled: Mar-12-14 12:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.9 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*101 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"

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Superfund. US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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MW50D-COD-DUP (E140307-18) Water Sampled: Mar-12-14 12:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2,3-Trichlorobenzene	U		0.3	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	2.3		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW50D-COD-DUP (E140307-18) Water Sampled: Mar-12-14 12:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
cis-1,3-Dichloropropene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	U		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

BE-MW1011 (E140307-19) Water Sampled: Mar-13-14 15:25 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*95.3 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.5 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*97.9 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	1.2		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.6		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	2.6	K	0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

BE-MW101I (E140307-19) Water Sampled: Mar-13-14 15:25 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	0.8		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	520		10	25	"	25	"	"	Mar-24-14
cis-1,3-Dichloropropene	U		0.4	1.0	"	1	"	"	Mar-22-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	1.1		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	3.6		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.7		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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BE-MW1011 (E140307-19) Water Sampled: Mar-13-14 15:25 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	**0.8**		0.5	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14

BE-MW101S (E140307-20) Water Sampled: Mar-13-14 13:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*101 %*		*49-165*	*EC42001*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.6 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.2 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	**1.8**		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

BE-MW101S (E140307-20) Water Sampled: Mar-13-14 13:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	U		0.7	5.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
Acrolein	U		1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	2.2		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	1.2		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	29		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

BE-MW101S (E140307-20) Water Sampled: Mar-13-14 13:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42001	Mar-20-14	Mar-22-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	5.5		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

TRIPBLANK-7 (E140307-21) Water Sampled: Mar-13-14 00:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*101 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	1.9			*95.8 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.3 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

TRIPBLANK-7 (E140307-21) Water Sampled: Mar-13-14 00:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	6.2	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

TRIPBLANK-7 (E140307-21) Water Sampled: Mar-13-14 00:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	U		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW-08S (E140307-22) Water Sampled: Mar-14-14 16:01 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*97.1 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*102 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*101 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	0.9		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	14		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW-08S (E140307-22) Water Sampled: Mar-14-14 16:01 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3-Dichlorobenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	0.8	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	38		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Behr Dayton Thermal Systems Project Number: [none] Project Manager: Howard Pham	**Reported:** Aug-18-14 11:13

Volatiles by GC/MS

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MW-08S (E140307-22) Water Sampled: Mar-14-14 16:01 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	250		4.3	10	"	10	"	"	Mar-24-14
Tetrahydrofuran	U		0.4	1.0	"	1	"	"	Mar-22-14
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	71		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14
Vinyl chloride	1.7		0.5	1.0	"	"	"	"	"

MW-11S (E140307-23) Water Sampled: Mar-14-14 16:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*99.0 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*102 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*97.1 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	17		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	5.4		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	1.8		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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MW-11S (E140307-23) Water Sampled: Mar-14-14 16:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2-Dibromo-3-chloropropane	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	1.1	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	12		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW-11S (E140307-23) Water Sampled: Mar-14-14 16:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Ethylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	1.2		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	0.6		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	150		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MWB-003 (E140307-24) Water Sampled: Mar-14-14 16:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.1			*104 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*100 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*97.8 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	100		44	100	"	100	"	"	Mar-24-14
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	1	"	"	Mar-22-14
1,1,2-Trichloroethane	1.9		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	20		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MWB-003 (E140307-24) Water Sampled: Mar-14-14 16:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,1-Dichloroethene	27		0.5	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	2.9		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	1.0		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	1.4		0.4	1.0	"	"	"	"	"

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Chicago, IL 60605
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www.techlawinc.com

Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MWB-003 (E140307-24) Water Sampled: Mar-14-14 16:45 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Chloromethane	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
cis-1,2-Dichloroethene	450		41	100	"	100	"	"	Mar-24-14
cis-1,3-Dichloropropene	U		0.4	1.0	"	1	"	"	Mar-22-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	2.8		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	24		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	3700		44	100	"	100	"	"	Mar-24-14
Trichlorofluoromethane	0.5		0.4	1.0	"	1	"	"	Mar-22-14
Vinyl chloride	3.8		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

PZ-8I (E140307-25) Water Sampled: Mar-14-14 15:14 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.1			*104 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.6 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	0.7		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	190		41	100	"	100	"	"	Mar-24-14
1,1-Dichloroethene	53		48	100	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	1	"	"	Mar-22-14
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	0.8		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

PZ-8I (E140307-25) Water Sampled: Mar-14-14 15:14 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	700		41	100	"	100	"	"	Mar-24-14
cis-1,3-Dichloropropene	U		0.4	1.0	"	1	"	"	Mar-22-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	2800		43	100	"	100	"	"	Mar-24-14
Tetrahydrofuran	U		0.4	1.0	"	1	"	"	Mar-22-14
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	72		46	100	"	100	"	"	Mar-24-14
trans-1,3-Dichloropropene	U		0.3	1.0	"	1	"	"	Mar-22-14
Trichloroethene	11000		1100	2500	"	2500	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

PZ-8I (E140307-25) Water Sampled: Mar-14-14 15:14 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	59		45	100	ug/L	100	EC42002	Mar-20-14	Mar-24-14

GC-MW101S (E140307-26) Water Sampled: Mar-14-14 11:55 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.2 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.8 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.5 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	9.1		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

8/18/14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

GC-MW101S (E140307-26) Water Sampled: Mar-14-14 11:55 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	U		0.7	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	15		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	0.8		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	36		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

GC-MW101S (E140307-26) Water Sampled: Mar-14-14 11:55 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	100		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

GC-MW105S (E140307-27) Water Sampled: Mar-14-14 10:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*96.1 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.1 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.8 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	2.1		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

GC-MW105S (E140307-27) Water Sampled: Mar-14-14 10:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	0.6		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

GC-MW105S (E140307-27) Water Sampled: Mar-14-14 10:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	7.0		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	9.3		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW-1 (E140307-28) Water Sampled: Mar-14-14 10:46 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.7 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*99.3 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.5 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

MW-1 (E140307-28) Water Sampled: Mar-14-14 10:46 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3-Dichlorobenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	18		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW-1 (E140307-28) Water Sampled: Mar-14-14 10:46 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	2.6		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	11		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

MW-2 (E140307-29) Water Sampled: Mar-14-14 11:49 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*95.0 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.0 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.7 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW-2 (E140307-29) Water Sampled: Mar-14-14 11:49 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2-Dibromoethane (EDB)	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	0.8	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	24		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

MW-2 (E140307-29) Water Sampled: Mar-14-14 11:49 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Hexachlorobutadiene	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	2.2		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	3.2		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

P-1 (E140307-30) Water Sampled: Mar-14-14 13:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*96.2 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*100 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.3 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	9.1		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-1 (E140307-30) Water Sampled: Mar-14-14 13:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2,3-Trichlorobenzene	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	0.9	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	3.4		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	0.4		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-1 (E140307-30) Water Sampled: Mar-14-14 13:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
cis-1,3-Dichloropropene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	19		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	24		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

P-2 (E140307-31) Water Sampled: Mar-14-14 12:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.5 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*97.9 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	0.8		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	0.9	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

P-2 (E140307-31) Water Sampled: Mar-14-14 12:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	15		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	0.9		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	2.0		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-2 (E140307-31) Water Sampled: Mar-14-14 12:10 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	U		0.5	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14

P-3 (E140307-32) Water Sampled: Mar-14-14 11:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*97.3 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.3 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	**0.4**		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

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P-3 (E140307-32) Water Sampled: Mar-14-14 11:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	U		0.7	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	20		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-3 (E140307-32) Water Sampled: Mar-14-14 11:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.3		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

P-4 (E140307-33) Water Sampled: Mar-14-14 13:54 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.8 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*102 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.8 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.5		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-4 (E140307-33) Water Sampled: Mar-14-14 13:54 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	0.5		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-4 (E140307-33) Water Sampled: Mar-14-14 13:54 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	**0.7**		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	**0.5**		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	**1.4**		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

P-5 (E140307-34) Water Sampled: Mar-14-14 15:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*96.8 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.8 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.1 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	**63**		4.4	10	"	10	"	"	Mar-24-14
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	1	"	"	Mar-22-14
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	**6.4**		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	**4.0**		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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P-5 (E140307-34) Water Sampled: Mar-14-14 15:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3,5-Trimethylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	0.8	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	1.0		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	5.3		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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P-5 (E140307-34) Water Sampled: Mar-14-14 15:15 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Methylene chloride	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	**1.2**		0.4	1.0	"	"	"	"	Mar-24-14
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	Mar-22-14
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	**0.8**		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	**84**		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

P-6 (E140307-35) Water Sampled: Mar-14-14 15:05 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.1 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*101 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.1 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	**11**		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	**1.8**		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	**0.6**		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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P-6 (E140307-35) Water Sampled: Mar-14-14 15:05 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,2,4-Trimethylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	110		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	1.0		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

P-6 (E140307-35) Water Sampled: Mar-14-14 15:05 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Dichlorodifluoromethane	U	J	0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	**0.5**		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	**11**		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

OEPA-06 (E140307-36) Water Sampled: Mar-14-14 09:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*95.3 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*99.6 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*98.7 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	**0.9**		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	**1.1**		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

OEPA-06 (E140307-36) Water Sampled: Mar-14-14 09:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,1-Dichloroethene	U		0.5	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	1.1	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U	J	1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U	J	0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	12		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-06 (E140307-36) Water Sampled: Mar-14-14 09:35 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Chloromethane	U	J	0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
cis-1,2-Dichloroethene	1.3		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	1.8		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	2.8		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U	J	0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
TechLaw - ESAT Contract

OEPA-07 (E140307-37) Water Sampled: Mar-14-14 12:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*98.6 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.8 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.2 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	0.8		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.7		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	U		0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-07 (E140307-37) Water Sampled: Mar-14-14 12:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Bromochloromethane	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	6.6		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	2.6		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	8.0		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	0.5		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	58		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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OEPA-07 (E140307-37) Water Sampled: Mar-14-14 12:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Vinyl chloride	U		0.5	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14

OEPA-11 (E140307-38) Water Sampled: Mar-14-14 13:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	1.9			*94.1 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*102 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*99.0 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-11 (E140307-38) Water Sampled: Mar-14-14 13:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetone	U		0.7	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	**0.5**		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-11 (E140307-38) Water Sampled: Mar-14-14 13:50 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Toluene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	1.7		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

OEPA-12 (E140307-39) Water Sampled: Mar-14-14 11:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*99.7 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.5 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	2.0			*97.7 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	0.7		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	0.7		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-12 (E140307-39) Water Sampled: Mar-14-14 11:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Butanone	U		2.3	5.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	0.8	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	2.5		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	1.9		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"
Naphthalene	U		0.3	1.0	"	"	"	"	"
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

OEPA-12 (E140307-39) Water Sampled: Mar-14-14 11:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
sec-Butylbenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	5.3		0.4	1.0	"	"	"	"	Mar-22-14
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	Mar-22-14
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	56		4.4	10	"	10	"	"	Mar-24-14
Trichlorofluoromethane	U		0.4	1.0	"	1	"	"	Mar-22-14
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

TRIPBLANK-9 (E140307-40) Water Sampled: Mar-15-14 00:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Surrogate: 4-Bromofluorobenzene	2.0			*101 %*		*49-165*	*EC42002*	*Mar-20-14*	*Mar-22-14*
Surrogate: Benzene-d6	2.0			*98.3 %*		*57-135*	"	"	"
Surrogate: Toluene-d8	1.9			*96.8 %*		*56-151*	"	"	"
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"	"	"	"	"
1,1,1-Trichloroethane	U		0.4	1.0	"	"	"	"	"
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"	"	"	"	"
1,1,2-Trichloroethane	U		0.3	1.0	"	"	"	"	"
1,1-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,1-Dichloroethene	U		0.5	1.0	"	"	"	"	"
1,1-Dichloropropene	U		0.5	1.0	"	"	"	"	"
1,2,3-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,3-Trichloropropane	U		0.3	2.0	"	"	"	"	"
1,2,4-Trichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2,4-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"	"	"	"	"
1,2-Dibromoethane (EDB)	U		0.3	1.0	"	"	"	"	"
1,2-Dichlorobenzene	U		0.3	1.0	"	"	"	"	"
1,2-Dichloroethane	U		0.4	1.0	"	"	"	"	"
1,2-Dichloropropane	U		0.4	1.0	"	"	"	"	"
1,3,5-Trimethylbenzene	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS
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TRIPBLANK-9 (E140307-40) Water Sampled: Mar-15-14 00:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3-Dichlorobenzene	U		0.4	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
1,3-Dichloropropane	U		0.3	1.0	"	"	"	"	"
1,4-Dichlorobenzene	U		0.4	1.0	"	"	"	"	"
1,4-Dioxane	U		8.8	10	"	"	"	"	"
2,2-Dichloropropane	U	J	0.4	1.0	"	"	"	"	"
2-Butanone	U		2.3	5.0	"	"	"	"	"
2-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
2-Hexanone	U		0.4	2.0	"	"	"	"	"
4-Chlorotoluene	U		0.4	1.0	"	"	"	"	"
4-Methyl-2-pentanone	U		0.4	2.0	"	"	"	"	"
Acetone	4.6	K	0.7	5.0	"	"	"	"	"
Acrolein	U	J	1.9	5.0	"	"	"	"	"
Acrylonitrile	U		1.2	5.0	"	"	"	"	"
Benzene	U		0.4	1.0	"	"	"	"	"
Bromobenzene	U		0.4	1.0	"	"	"	"	"
Bromochloromethane	U		0.4	1.0	"	"	"	"	"
Bromodichloromethane	U		0.4	1.0	"	"	"	"	"
Bromoform	U		0.3	1.0	"	"	"	"	"
Bromomethane	U		0.5	1.0	"	"	"	"	"
Carbon disulfide	U		0.5	1.0	"	"	"	"	"
Carbon Tetrachloride	U		0.5	1.0	"	"	"	"	"
Chlorobenzene	U		0.4	1.0	"	"	"	"	"
Chloroethane	U		0.4	1.0	"	"	"	"	"
Chloroform	U		0.4	1.0	"	"	"	"	"
Chloromethane	U		0.4	1.0	"	"	"	"	"
cis-1,2-Dichloroethene	U		0.4	1.0	"	"	"	"	"
cis-1,3-Dichloropropene	U		0.4	1.0	"	"	"	"	"
Dibromochloromethane	U		0.4	1.0	"	"	"	"	"
Dibromomethane	U		0.3	1.0	"	"	"	"	"
Dichlorodifluoromethane	U	J	0.3	1.0	"	"	"	"	"
Ethylbenzene	U		0.4	1.0	"	"	"	"	"
Hexachlorobutadiene	U		0.3	1.0	"	"	"	"	"
Isopropylbenzene	U		0.4	1.0	"	"	"	"	"
m,p-Xylene	U		0.8	2.0	"	"	"	"	"
Methyl tert-butyl ether	U		0.3	1.0	"	"	"	"	"
Methylene chloride	U		0.4	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS

TechLaw - ESAT Contract

TRIPBLANK-9 (E140307-40) Water Sampled: Mar-15-14 00:00 Received: Mar-18-14 11:35

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U		0.3	1.0	ug/L	1	EC42002	Mar-20-14	Mar-22-14
n-Butylbenzene	U		0.4	1.0	"	"	"	"	"
n-Propylbenzene	U		0.4	1.0	"	"	"	"	"
o-Xylene	U		0.4	1.0	"	"	"	"	"
p-Isopropyltoluene	U		0.4	1.0	"	"	"	"	"
sec-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Styrene	U		0.4	1.0	"	"	"	"	"
tert-Butylbenzene	U		0.4	1.0	"	"	"	"	"
Tetrachloroethene	U		0.4	1.0	"	"	"	"	"
Tetrahydrofuran	U		0.4	1.0	"	"	"	"	"
Toluene	U		0.4	1.0	"	"	"	"	"
trans-1,2-Dichloroethene	U		0.5	1.0	"	"	"	"	"
trans-1,3-Dichloropropene	U		0.3	1.0	"	"	"	"	"
Trichloroethene	U		0.4	1.0	"	"	"	"	"
Trichlorofluoromethane	U		0.4	1.0	"	"	"	"	"
Vinyl chloride	U		0.5	1.0	"	"	"	"	"

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

Blank (EC42001-BLK1) **Prepared: Mar-20-14 Analyzed: Mar-21-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*1.9*				*ug/L*	*2.00*		*96.3*	*57-135*		
Surrogate: Toluene-d8	*1.9*				"	*2.00*		*96.6*	*56-151*		
Surrogate: 4-Bromofluorobenzene	*2.0*				"	*2.00*		*99.2*	*49-165*		
Acetone	**2.2**		0.7	5.0	"						
Acrolein	U	J	1.9	5.0	"						
Acrylonitrile	U		1.2	5.0	"						
Benzene	U		0.4	1.0	"						
Bromobenzene	U		0.4	1.0	"						
Bromochloromethane	U		0.4	1.0	"						
Bromodichloromethane	U		0.4	1.0	"						
Bromoform	U		0.3	1.0	"						
Bromomethane	U	J	0.5	1.0	"						
2-Butanone	U		2.3	5.0	"						
n-Butylbenzene	U		0.4	1.0	"						
sec-Butylbenzene	U		0.4	1.0	"						
tert-Butylbenzene	U		0.4	1.0	"						
Carbon disulfide	U		0.5	1.0	"						
Carbon Tetrachloride	U		0.5	1.0	"						
Chlorobenzene	U		0.4	1.0	"						
Chloroethane	U		0.4	1.0	"						
Chloroform	U		0.4	1.0	"						
Chloromethane	U		0.4	1.0	"						
2-Chlorotoluene	U		0.4	1.0	"						
4-Chlorotoluene	U		0.4	1.0	"						
Dibromochloromethane	U		0.4	1.0	"						
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"						
1,2-Dibromoethane (EDB)	U		0.3	1.0	"						
Dibromomethane	U		0.3	1.0	"						
1,2-Dichlorobenzene	U		0.3	1.0	"						
1,3-Dichlorobenzene	U		0.4	1.0	"						
1,4-Dichlorobenzene	U		0.4	1.0	"						
1,1-Dichloroethane	U		0.4	1.0	"						

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

Blank (EC42001-BLK1) **Prepared: Mar-20-14 Analyzed: Mar-21-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2-Dichloroethane	U		0.4	1.0	ug/L						
1,1-Dichloroethene	U		0.5	1.0	"						
cis-1,2-Dichloroethene	U		0.4	1.0	"						
trans-1,2-Dichloroethene	U		0.5	1.0	"						
1,2-Dichloropropane	U		0.4	1.0	"						
1,3-Dichloropropane	U		0.3	1.0	"						
2,2-Dichloropropane	U	J	0.4	1.0	"						
1,1-Dichloropropene	U		0.5	1.0	"						
cis-1,3-Dichloropropene	U		0.4	1.0	"						
trans-1,3-Dichloropropene	U		0.3	1.0	"						
Ethylbenzene	U		0.4	1.0	"						
Hexachlorobutadiene	U		0.3	1.0	"						
2-Hexanone	U		0.4	2.0	"						
Vinyl chloride	U		0.5	1.0	"						
Isopropylbenzene	U		0.4	1.0	"						
Dichlorodifluoromethane	U	J	0.3	1.0	"						
p-Isopropyltoluene	U		0.4	1.0	"						
Methylene chloride	U		0.4	1.0	"						
Methyl tert-butyl ether	U		0.3	1.0	"						
4-Methyl-2-pentanone	U		0.4	2.0	"						
Tetrahydrofuran	U		0.4	1.0	"						
1,4-Dioxane	U		8.8	10	"						
Naphthalene	U		0.3	1.0	"						
Trichlorofluoromethane	U		0.4	1.0	"						
n-Propylbenzene	U		0.4	1.0	"						
Styrene	U		0.4	1.0	"						
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"						
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"						
Tetrachloroethene	U		0.4	1.0	"						
Toluene	U		0.4	1.0	"						
1,2,3-Trichlorobenzene	U		0.3	1.0	"						
1,2,4-Trichlorobenzene	U		0.3	1.0	"						

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Superfund. US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Behr Dayton Thermal Systems Project Number: [none] Project Manager: Howard Pham	**Reported:** Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

Blank (EC42001-BLK1) **Prepared: Mar-20-14 Analyzed: Mar-21-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,1,2-Trichloroethane	U		0.3	1.0	ug/L						
1,1,1-Trichloroethane	U		0.4	1.0	"						
Trichloroethene	U		0.4	1.0	"						
1,2,3-Trichloropropane	U		0.3	1.0	"						
1,3,5-Trimethylbenzene	U		0.4	1.0	"						
1,2,4-Trimethylbenzene	U		0.4	1.0	"						
m,p-Xylene	U		0.8	2.0	"						
o-Xylene	U		0.4	1.0	"						

LCS (EC42001-BS1) **Prepared: Mar-20-14 Analyzed: Mar-21-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*97.7*	*78-114*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*101*	*85-115*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*99.4*	*59.2-140*		
Acetone	**49.3**		0.7	5.0	"	50.0		98.7	29.4-146		
Acrolein	**46.2**		1.9	5.0	"	50.0		92.5	50-150		
Acrylonitrile	**49.1**		1.2	5.0	"	50.0		98.3	41.8-152		
Benzene	**10.1**		0.4	1.0	"	10.0		101	39.4-159		
Bromobenzene	**9.7**		0.4	1.0	"	10.0		96.7	10.1-182		
Bromochloromethane	**9.8**		0.4	1.0	"	10.0		97.6	32-159		
Bromodichloromethane	**9.9**		0.4	1.0	"	10.0		98.5	35.2-146		
Bromoform	**9.9**		0.3	1.0	"	10.0		99.1	19.7-152		
Bromomethane	**10.1**		0.5	1.0	"	10.0		101	8.32-179		
2-Butanone	**50.4**		2.3	5.0	"	50.0		101	21.2-184		
n-Butylbenzene	**9.5**		0.4	1.0	"	10.0		94.8	29.6-162		
sec-Butylbenzene	**10.0**		0.4	1.0	"	10.0		100	21.1-173		
tert-Butylbenzene	**10.4**		0.4	1.0	"	10.0		104	13.2-193		
Carbon disulfide	**10.3**		0.5	1.0	"	10.0		102	20.5-180		
Carbon Tetrachloride	**10.6**		0.5	1.0	"	10.0		106	27.2-172		
Chlorobenzene	**9.5**		0.4	1.0	"	10.0		94.7	8.18-192		
Chloroethane	**10.6**		0.4	1.0	"	10.0		106	17.4-183		

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Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Behr Dayton Thermal Systems Project Number: [none] Project Manager: Howard Pham	Reported: Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

LCS (EC42001-BS1) **Prepared: Mar-20-14 Analyzed: Mar-21-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Chloroform	10.0		0.4	1.0	ug/L	10.0		100	37.6-159		
Chloromethane	10.4		0.4	1.0	"	10.0		104	13.4-184		
2-Chlorotoluene	9.9		0.4	1.0	"	10.0		99.0	18.9-176		
4-Chlorotoluene	9.7		0.4	1.0	"	10.0		96.8	18-167		
Dibromochloromethane	9.9		0.4	1.0	"	10.0		99.0	39-132		
1,2-Dibromo-3-chloropropane	9.8		0.3	1.0	"	10.0		97.9	36-141		
1,2-Dibromoethane (EDB)	9.7		0.3	1.0	"	10.0		97.0	36.6-152		
Dibromomethane	9.8		0.3	1.0	"	10.0		98.2	35.5-151		
1,2-Dichlorobenzene	9.7		0.3	1.0	"	10.0		96.6	36.7-148		
1,3-Dichlorobenzene	9.6		0.4	1.0	"	10.0		96.4	20.7-163		
1,4-Dichlorobenzene	9.6		0.4	1.0	"	10.0		96.1	19.4-160		
1,1-Dichloroethane	10.2		0.4	1.0	"	10.0		102	27.6-164		
1,2-Dichloroethane	10.1		0.4	1.0	"	10.0		101	29.9-158		
1,1-Dichloroethene	10.8		0.5	1.0	"	10.0		108	21.4-178		
cis-1,2-Dichloroethene	9.9		0.4	1.0	"	10.0		99.2	32.7-154		
trans-1,2-Dichloroethene	10.3		0.5	1.0	"	10.0		103	15.9-168		
1,2-Dichloropropane	10.1		0.4	1.0	"	10.0		101	34.9-152		
1,3-Dichloropropane	9.8		0.3	1.0	"	10.0		98.3	37.8-153		
2,2-Dichloropropane	8.4		0.4	1.0	"	10.0		83.6	38.8-167		
1,1-Dichloropropene	10.2		0.5	1.0	"	10.0		102	29.7-177		
cis-1,3-Dichloropropene	9.5		0.4	1.0	"	10.0		95.0	53.9-143		
trans-1,3-Dichloropropene	9.5		0.3	1.0	"	10.0		94.9	47.8-139		
Ethylbenzene	10.0		0.4	1.0	"	10.0		100	18.2-187		
Hexachlorobutadiene	9.5		0.3	1.0	"	10.0		95.2	33.9-156		
2-Hexanone	19.9		0.4	2.0	"	20.1		99.1	40.2-138		
Vinyl chloride	10.8		0.5	1.0	"	10.0		108	14.9-223		
Isopropylbenzene	9.9		0.4	1.0	"	10.0		99.4	11.1-195		
Dichlorodifluoromethane	11.9	J	0.3	1.0	"	10.0		119	37.4-202		
p-Isopropyltoluene	9.6		0.4	1.0	"	10.0		96.3	20.6-172		
Methylene chloride	10.1		0.4	1.0	"	10.0		101	33.7-149		
Methyl tert-butyl ether	9900		0.3	1.0	"	10.0		NR	50-150		
4-Methyl-2-pentanone	19.9		0.4	2.0	"	19.9		100	41.1-146		

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

LCS (EC42001-BS1) — **Prepared: Mar-20-14 Analyzed: Mar-21-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Tetrahydrofuran	**10.2**		0.4	1.0	ug/L	10.0		102	50-150		
Naphthalene	**9.1**		0.3	1.0	"	10.0		90.6	29.3-160		
1,4-Dioxane	**50.5**		8.8	10	"	50.0		101	50-150		
Trichlorofluoromethane	**10.2**		0.4	1.0	"	10.0		102	17.8-214		
n-Propylbenzene	**9.9**		0.4	1.0	"	10.0		99.1	22.1-163		
Styrene	**9.9**		0.4	1.0	"	10.0		99.2	17.3-163		
1,1,2,2-Tetrachloroethane	**10.2**		0.3	1.0	"	10.0		102	24.2-154		
1,1,1,2-Tetrachloroethane	**9.7**		0.4	1.0	"	10.0		97.4	28-176		
Tetrachloroethene	**9.9**		0.4	1.0	"	10.0		99.1	25.8-174		
Toluene	**10.2**		0.4	1.0	"	10.0		102	33.2-158		
1,2,3-Trichlorobenzene	**9.1**		0.3	1.0	"	10.0		91.3	38.9-153		
1,2,4-Trichlorobenzene	**9.1**		0.3	1.0	"	10.0		90.9	34.8-154		
1,1,2-Trichloroethane	**9.9**		0.3	1.0	"	10.0		98.7	35.9-150		
1,1,1-Trichloroethane	**10.3**		0.4	1.0	"	10.0		103	29.5-176		
Trichloroethene	**10.0**		0.4	1.0	"	10.0		99.7	37.7-163		
1,2,3-Trichloropropane	**12.1**		0.3	1.0	"	10.0		121	20.6-167		
1,3,5-Trimethylbenzene	**9.9**		0.4	1.0	"	10.0		98.9	12.3-192		
1,2,4-Trimethylbenzene	**9.9**		0.4	1.0	"	10.0		98.7	19.3-177		
m,p-Xylene	**19.8**		0.8	2.0	"	20.0		99.0	15.4-167		
o-Xylene	**9.9**		0.4	1.0	"	10.0		99.3	12.8-196		

LCS Dup (EC42001-BSD1) — **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*99.5*	*78-114*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*99.0*	*85-115*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*98.2*	*59.2-140*		
Acetone	**54.8**		0.7	5.0	"	50.0		110	29.4-146	10.5	30
Acrolein	**41.8**		1.9	5.0	"	50.0		83.7	50-150	9.98	200
Acrylonitrile	**55.5**		1.2	5.0	"	50.0		111	41.8-152	12.1	30
Benzene	**12.1**		0.4	1.0	"	10.0		121	39.4-159	17.9	30
Bromobenzene	**10.9**		0.4	1.0	"	10.0		109	10.1-182	12.3	30

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

LCS Dup (EC42001-BSD1) **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bromochloromethane	11.3		0.4	1.0	ug/L	10.0		113	32-159	14.4	30
Bromodichloromethane	11.6		0.4	1.0	"	10.0		116	35.2-146	16.7	30
Bromoform	11.1		0.3	1.0	"	10.0		111	19.7-152	11.4	30
Bromomethane	7.4		0.5	1.0	"	10.0		74.1	8.32-179	30.6	30
2-Butanone	56.7		2.3	5.0	"	50.0		113	21.2-184	11.7	30
n-Butylbenzene	10.7		0.4	1.0	"	10.0		107	29.6-162	11.7	30
sec-Butylbenzene	11.4		0.4	1.0	"	10.0		114	21.1-173	13.0	30
tert-Butylbenzene	11.8		0.4	1.0	"	10.0		118	13.2-193	12.9	30
Carbon disulfide	11.7		0.5	1.0	"	10.0		117	20.5-180	13.2	30
Carbon Tetrachloride	12.3		0.5	1.0	"	10.0		123	27.2-172	14.9	30
Chlorobenzene	11.0		0.4	1.0	"	10.0		110	8.18-192	15.4	30
Chloroethane	12.5		0.4	1.0	"	10.0		125	17.4-183	16.8	30
Chloroform	12.0		0.4	1.0	"	10.0		120	37.6-159	18.1	30
Chloromethane	12.5		0.4	1.0	"	10.0		125	13.4-184	17.6	30
2-Chlorotoluene	11.2		0.4	1.0	"	10.0		112	18.9-176	12.8	30
4-Chlorotoluene	11.0		0.4	1.0	"	10.0		110	18-167	13.2	30
Dibromochloromethane	11.1		0.4	1.0	"	10.0		111	39-132	11.7	30
1,2-Dibromo-3-chloropropane	10.9		0.3	1.0	"	10.0		109	36-141	10.6	30
1,2-Dibromoethane (EDB)	10.9		0.3	1.0	"	10.0		109	36.6-152	12.0	30
Dibromomethane	11.1		0.3	1.0	"	10.0		111	35.5-151	12.6	30
1,2-Dichlorobenzene	11.0		0.3	1.0	"	10.0		110	36.7-148	12.7	30
1,3-Dichlorobenzene	11.0		0.4	1.0	"	10.0		110	20.7-163	13.1	30
1,4-Dichlorobenzene	10.8		0.4	1.0	"	10.0		108	19.4-160	11.4	30
1,1-Dichloroethane	12.2		0.4	1.0	"	10.0		122	27.6-164	18.1	30
1,2-Dichloroethane	12.0		0.4	1.0	"	10.0		120	29.9-158	17.4	30
1,1-Dichloroethene	12.6		0.5	1.0	"	10.0		126	21.4-178	15.6	30
cis-1,2-Dichloroethene	11.5		0.4	1.0	"	10.0		115	32.7-154	14.6	30
trans-1,2-Dichloroethene	12.0		0.5	1.0	"	10.0		120	15.9-168	15.9	30
1,2-Dichloropropane	11.9		0.4	1.0	"	10.0		119	34.9-152	16.4	30
1,3-Dichloropropane	11.1		0.3	1.0	"	10.0		111	37.8-153	12.2	30
2,2-Dichloropropane	6.6		0.4	1.0	"	10.0		66.5	38.8-167	22.8	30
1,1-Dichloropropene	12.0		0.5	1.0	"	10.0		120	29.7-177	16.0	30

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	Reported:
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

LCS Dup (EC42001-BSD1) **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	10.5		0.4	1.0	ug/L	10.0		105	53.9-143	9.84	30
trans-1,3-Dichloropropene	9.9		0.3	1.0	"	10.0		98.6	47.8-139	3.81	30
Ethylbenzene	11.3		0.4	1.0	"	10.0		113	18.2-187	12.1	30
Hexachlorobutadiene	10.4		0.3	1.0	"	10.0		104	33.9-156	8.61	30
2-Hexanone	21.7		0.4	2.0	"	20.1		108	40.2-138	8.51	30
Vinyl chloride	11.8		0.5	1.0	"	10.0		118	14.9-223	8.83	30
Isopropylbenzene	11.3		0.4	1.0	"	10.0		113	11.1-195	13.1	30
Dichlorodifluoromethane	12.8	J	0.3	1.0	"	10.0		128	37.4-202	6.91	30
p-Isopropyltoluene	10.9		0.4	1.0	"	10.0		109	20.6-172	12.3	30
Methylene chloride	12.0		0.4	1.0	"	10.0		120	33.7-149	17.7	30
Methyl tert-butyl ether	11.6		0.3	1.0	"	10.0		116	50-150	200	200
4-Methyl-2-pentanone	22.5		0.4	2.0	"	19.9		113	41.1-146	11.9	30
Tetrahydrofuran	11.9		0.4	1.0	"	10.0		119	50-150	15.8	200
1,4-Dioxane	55.7		8.8	10	"	50.0		111	50-150	9.82	200
Naphthalene	10.4		0.3	1.0	"	10.0		104	29.3-160	13.5	30
Trichlorofluoromethane	12.1		0.4	1.0	"	10.0		121	17.8-214	16.6	30
n-Propylbenzene	11.2		0.4	1.0	"	10.0		112	22.1-163	12.1	30
Styrene	11.2		0.4	1.0	"	10.0		112	17.3-163	12.0	30
1,1,2,2-Tetrachloroethane	11.9		0.3	1.0	"	10.0		119	24.2-154	16.1	30
1,1,1,2-Tetrachloroethane	11.2		0.4	1.0	"	10.0		112	28-176	13.5	30
Tetrachloroethene	11.3		0.4	1.0	"	10.0		113	25.8-174	12.9	30
Toluene	12.1		0.4	1.0	"	10.0		121	33.2-158	17.6	30
1,2,3-Trichlorobenzene	10.1		0.3	1.0	"	10.0		101	38.9-153	9.59	30
1,2,4-Trichlorobenzene	10.0		0.3	1.0	"	10.0		100	34.8-154	9.72	30
1,1,2-Trichloroethane	11.1		0.3	1.0	"	10.0		111	35.9-150	11.7	30
1,1,1-Trichloroethane	12.1		0.4	1.0	"	10.0		121	29.5-176	15.7	30
Trichloroethene	12.0		0.4	1.0	"	10.0		120	37.7-163	18.3	30
1,2,3-Trichloropropane	10.0		0.3	1.0	"	10.0		99.9	20.6-167	19.1	30
1,3,5-Trimethylbenzene	11.2		0.4	1.0	"	10.0		112	12.3-192	12.3	30
1,2,4-Trimethylbenzene	11.3		0.4	1.0	"	10.0		113	19.3-177	13.8	30
m,p-Xylene	22.7		0.8	2.0	"	20.0		113	15.4-167	13.5	30
o-Xylene	11.3		0.4	1.0	"	10.0		113	12.8-196	13.2	30

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42001 - Volatiles

Batch EC42002 - Volatiles

Blank (EC42002-BLK1) **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*99.3*	*57-135*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*99.3*	*56-151*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*98.6*	*49-165*		
Acetone	**1.8**		0.7	5.0	"						
Acrolein	U	J	1.9	5.0	"						
Acrylonitrile	U		1.2	5.0	"						
Benzene	U		0.4	1.0	"						
Bromobenzene	U		0.4	1.0	"						
Bromochloromethane	U		0.4	1.0	"						
Bromodichloromethane	U		0.4	1.0	"						
Bromoform	U		0.3	1.0	"						
Bromomethane	U		0.5	1.0	"						
2-Butanone	U		2.3	5.0	"						
n-Butylbenzene	U		0.4	1.0	"						
sec-Butylbenzene	U		0.4	1.0	"						
tert-Butylbenzene	U		0.4	1.0	"						
Carbon disulfide	U	J	0.5	1.0	"						
Carbon Tetrachloride	U		0.5	1.0	"						
Chlorobenzene	U		0.4	1.0	"						
Chloroethane	U		0.4	1.0	"						
Chloroform	U		0.4	1.0	"						
Chloromethane	U	J	0.4	1.0	"						
2-Chlorotoluene	U		0.4	1.0	"						
4-Chlorotoluene	U		0.4	1.0	"						
Dibromochloromethane	U		0.4	1.0	"						
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"						
1,2-Dibromoethane (EDB)	U		0.3	1.0	"						
Dibromomethane	U		0.3	1.0	"						
1,2-Dichlorobenzene	U		0.3	1.0	"						
1,3-Dichlorobenzene	U		0.4	1.0	"						

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42002 - Volatiles

Blank (EC42002-BLK1) **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dichlorobenzene	U		0.4	1.0	ug/L						
1,1-Dichloroethane	U		0.4	1.0	"						
1,2-Dichloroethane	U		0.4	1.0	"						
1,1-Dichloroethene	U		0.5	1.0	"						
cis-1,2-Dichloroethene	U		0.4	1.0	"						
trans-1,2-Dichloroethene	U		0.5	1.0	"						
1,2-Dichloropropane	U		0.4	1.0	"						
1,3-Dichloropropane	U		0.3	1.0	"						
2,2-Dichloropropane	U		0.4	1.0	"						
1,1-Dichloropropene	U		0.5	1.0	"						
cis-1,3-Dichloropropene	U		0.4	1.0	"						
trans-1,3-Dichloropropene	U		0.3	1.0	"						
Ethylbenzene	U		0.4	1.0	"						
Hexachlorobutadiene	U		0.3	1.0	"						
2-Hexanone	U		0.4	2.0	"						
Vinyl chloride	U	J	0.5	1.0	"						
Isopropylbenzene	U		0.4	1.0	"						
Dichlorodifluoromethane	U	J	0.3	1.0	"						
p-Isopropyltoluene	U		0.4	1.0	"						
Methylene chloride	U		0.4	1.0	"						
Methyl tert-butyl ether	U		0.3	1.0	"						
4-Methyl-2-pentanone	U		0.4	2.0	"						
Tetrahydrofuran	U		0.4	1.0	"						
Naphthalene	U		0.3	1.0	"						
1,4-Dioxane	U		8.8	10	"						
Trichlorofluoromethane	U		0.4	1.0	"						
n-Propylbenzene	U		0.4	1.0	"						
Styrene	U		0.4	1.0	"						
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"						
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"						
Tetrachloroethene	U		0.4	1.0	"						
Toluene	U		0.4	1.0	"						

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42002 - Volatiles

Blank (EC42002-BLK1) — **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	U		0.3	1.0	ug/L						
1,2,4-Trichlorobenzene	U		0.3	1.0	"						
1,1,2-Trichloroethane	U		0.3	1.0	"						
1,1,1-Trichloroethane	U		0.4	1.0	"						
Trichloroethene	U		0.4	1.0	"						
1,2,3-Trichloropropane	U		0.3	1.0	"						
1,3,5-Trimethylbenzene	U		0.4	1.0	"						
1,2,4-Trimethylbenzene	U		0.4	1.0	"						
m,p-Xylene	U		0.8	2.0	"						
o-Xylene	U		0.4	1.0	"						

LCS (EC42002-BS1) — **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*99.3*	*78-114*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*98.4*	*85-115*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*98.7*	*59.2-140*		
Acetone	**48.4**		0.7	5.0	"	50.0		96.9	29.4-146		
Acrolein	**36.3**		1.9	5.0	"	50.0		72.6	50-150		
Acrylonitrile	**50.4**		1.2	5.0	"	50.0		101	41.8-152		
Benzene	**11.0**		0.4	1.0	"	10.0		110	39.4-159		
Bromobenzene	**10.7**		0.4	1.0	"	10.0		107	10.1-182		
Bromochloromethane	**10.5**		0.4	1.0	"	10.0		105	32-159		
Bromodichloromethane	**10.8**		0.4	1.0	"	10.0		108	35.2-146		
Bromoform	**10.6**		0.3	1.0	"	10.0		106	19.7-152		
Bromomethane	**8.2**		0.5	1.0	"	10.0		82.1	8.32-179		
2-Butanone	**51.3**		2.3	5.0	"	50.0		103	21.2-184		
n-Butylbenzene	**10.6**		0.4	1.0	"	10.0		106	29.6-162		
sec-Butylbenzene	**11.2**		0.4	1.0	"	10.0		112	21.1-173		
tert-Butylbenzene	**11.4**		0.4	1.0	"	10.0		114	13.2-193		
Carbon disulfide	**10.9**		0.5	1.0	"	10.0		108	20.5-180		
Carbon Tetrachloride	**11.3**		0.5	1.0	"	10.0		113	27.2-172		

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
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Batch EC42002 - Volatiles

LCS (EC42002-BS1) **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Chlorobenzene	**10.8**		0.4	1.0	ug/L	10.0		108	8.18-192		
Chloroethane	**11.7**		0.4	1.0	"	10.0		117	17.4-183		
Chloroform	**11.0**		0.4	1.0	"	10.0		110	37.6-159		
Chloromethane	**11.2**		0.4	1.0	"	10.0		112	13.4-184		
2-Chlorotoluene	**10.9**		0.4	1.0	"	10.0		109	18.9-176		
4-Chlorotoluene	**10.7**		0.4	1.0	"	10.0		107	18-167		
Dibromochloromethane	**10.9**		0.4	1.0	"	10.0		109	39-132		
1,2-Dibromo-3-chloropropane	**10.0**		0.3	1.0	"	10.0		100	36-141		
1,2-Dibromoethane (EDB)	**10.5**		0.3	1.0	"	10.0		105	36.6-152		
Dibromomethane	**10.3**		0.3	1.0	"	10.0		103	35.5-151		
1,2-Dichlorobenzene	**10.6**		0.3	1.0	"	10.0		106	36.7-148		
1,3-Dichlorobenzene	**10.6**		0.4	1.0	"	10.0		106	20.7-163		
1,4-Dichlorobenzene	**10.4**		0.4	1.0	"	10.0		104	19.4-160		
1,1-Dichloroethane	**11.2**		0.4	1.0	"	10.0		112	27.6-164		
1,2-Dichloroethane	**10.8**		0.4	1.0	"	10.0		108	29.9-158		
1,1-Dichloroethene	**11.5**		0.5	1.0	"	10.0		115	21.4-178		
cis-1,2-Dichloroethene	**10.3**		0.4	1.0	"	10.0		103	32.7-154		
trans-1,2-Dichloroethene	**11.0**		0.5	1.0	"	10.0		110	15.9-168		
1,2-Dichloropropane	**10.9**		0.4	1.0	"	10.0		109	34.9-152		
1,3-Dichloropropane	**10.6**		0.3	1.0	"	10.0		106	37.8-153		
2,2-Dichloropropane	**5.9**		0.4	1.0	"	10.0		59.4	38.8-167		
1,1-Dichloropropene	**11.1**		0.5	1.0	"	10.0		111	29.7-177		
cis-1,3-Dichloropropene	**9.6**		0.4	1.0	"	10.0		95.5	53.9-143		
trans-1,3-Dichloropropene	**9.7**		0.3	1.0	"	10.0		96.9	47.8-139		
Ethylbenzene	**11.0**		0.4	1.0	"	10.0		110	18.2-187		
Hexachlorobutadiene	**10.3**		0.3	1.0	"	10.0		103	33.9-156		
2-Hexanone	**20.6**		0.4	2.0	"	20.1		102	40.2-138		
Vinyl chloride	**10.9**		0.5	1.0	"	10.0		109	14.9-223		
Isopropylbenzene	**11.1**		0.4	1.0	"	10.0		111	11.1-195		
Dichlorodifluoromethane	**11.4**	J	0.3	1.0	"	10.0		114	37.4-202		
p-Isopropyltoluene	**10.6**		0.4	1.0	"	10.0		106	20.6-172		
Methylene chloride	**10.9**		0.4	1.0	"	10.0		109	33.7-149		

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Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Behr Dayton Thermal Systems Project Number: [none] Project Manager: Howard Pham	Reported: Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
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Batch EC42002 - Volatiles

LCS (EC42002-BS1) — **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Methyl tert-butyl ether	10.6		0.3	1.0	ug/L	10.0		106	50-150		
4-Methyl-2-pentanone	20.5		0.4	2.0	"	19.9		103	41.1-146		
Tetrahydrofuran	10.9		0.4	1.0	"	10.0		109	50-150		
1,4-Dioxane	50.6		8.8	10	"	50.0		101	50-150		
Naphthalene	9.7		0.3	1.0	"	10.0		97.0	29.3-160		
Trichlorofluoromethane	11.1		0.4	1.0	"	10.0		111	17.8-214		
n-Propylbenzene	10.8		0.4	1.0	"	10.0		108	22.1-163		
Styrene	11.0		0.4	1.0	"	10.0		110	17.3-163		
1,1,2,2-Tetrachloroethane	11.3		0.3	1.0	"	10.0		113	24.2-154		
1,1,1,2-Tetrachloroethane	10.8		0.4	1.0	"	10.0		108	28-176		
Tetrachloroethene	11.0		0.4	1.0	"	10.0		110	25.8-174		
Toluene	11.0		0.4	1.0	"	10.0		110	33.2-158		
1,2,3-Trichlorobenzene	10.0		0.3	1.0	"	10.0		99.6	38.9-153		
1,2,4-Trichlorobenzene	9.8		0.3	1.0	"	10.0		97.6	34.8-154		
1,1,2-Trichloroethane	10.5		0.3	1.0	"	10.0		105	35.9-150		
1,1,1-Trichloroethane	11.2		0.4	1.0	"	10.0		112	29.5-176		
Trichloroethene	11.0		0.4	1.0	"	10.0		110	37.7-163		
1,2,3-Trichloropropane	9.9		0.3	1.0	"	10.0		99.0	20.6-167		
1,3,5-Trimethylbenzene	10.8		0.4	1.0	"	10.0		108	12.3-192		
1,2,4-Trimethylbenzene	10.9		0.4	1.0	"	10.0		109	19.3-177		
m,p-Xylene	21.9		0.8	2.0	"	20.0		110	15.4-167		
o-Xylene	11.0		0.4	1.0	"	10.0		110	12.8-196		

LCS Dup (EC42002-BSD1) — **Prepared: Mar-20-14 Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*1.9*				*ug/L*	*2.00*		*97.1*	*78-114*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*101*	*85-115*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*102*	*59.2-140*		
Acetone	54.1		0.7	5.0	"	50.0		108	29.4-146	11.1	30
Acrolein	28.5		1.9	5.0	"	50.0		56.9	50-150	24.2	200
Acrylonitrile	57.9		1.2	5.0	"	50.0		116	41.8-152	13.7	30

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Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Behr Dayton Thermal Systems Project Number: [none] Project Manager: Howard Pham	Reported: Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
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Batch EC42002 - Volatiles

LCS Dup (EC42002-BSD1) **Prepared: Mar-20-14 Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzene	**11.9**		0.4	1.0	ug/L	10.0		119	39.4-159	7.92	30
Bromobenzene	**11.4**		0.4	1.0	"	10.0		114	10.1-182	6.43	30
Bromochloromethane	**11.0**		0.4	1.0	"	10.0		110	32-159	5.33	30
Bromodichloromethane	**11.5**		0.4	1.0	"	10.0		115	35.2-146	6.23	30
Bromoform	**11.1**		0.3	1.0	"	10.0		111	19.7-152	4.75	30
Bromomethane	**7.8**		0.5	1.0	"	10.0		78.0	8.32-179	5.11	30
2-Butanone	**52.5**		2.3	5.0	"	50.0		105	21.2-184	2.37	30
n-Butylbenzene	**10.6**		0.4	1.0	"	10.0		106	29.6-162	0.679	30
sec-Butylbenzene	**11.4**		0.4	1.0	"	10.0		114	21.1-173	2.29	30
tert-Butylbenzene	**12.1**		0.4	1.0	"	10.0		121	13.2-193	5.48	30
Carbon disulfide	**11.7**		0.5	1.0	"	10.0		117	20.5-180	7.32	30
Carbon Tetrachloride	**12.2**		0.5	1.0	"	10.0		122	27.2-172	8.08	30
Chlorobenzene	**11.4**		0.4	1.0	"	10.0		114	8.18-192	5.77	30
Chloroethane	**10.0**		0.4	1.0	"	10.0		99.7	17.4-183	16.3	30
Chloroform	**11.6**		0.4	1.0	"	10.0		116	37.6-159	5.48	30
Chloromethane	**11.0**		0.4	1.0	"	10.0		110	13.4-184	1.53	30
2-Chlorotoluene	**11.6**		0.4	1.0	"	10.0		116	18.9-176	5.77	30
4-Chlorotoluene	**11.3**		0.4	1.0	"	10.0		113	18-167	5.53	30
Dibromochloromethane	**11.4**		0.4	1.0	"	10.0		114	39-132	3.99	30
1,2-Dibromo-3-chloropropane	**10.8**		0.3	1.0	"	10.0		108	36-141	7.00	30
1,2-Dibromoethane (EDB)	**10.9**		0.3	1.0	"	10.0		109	36.6-152	3.75	30
Dibromomethane	**11.1**		0.3	1.0	"	10.0		111	35.5-151	7.41	30
1,2-Dichlorobenzene	**11.1**		0.3	1.0	"	10.0		111	36.7-148	4.48	30
1,3-Dichlorobenzene	**11.1**		0.4	1.0	"	10.0		111	20.7-163	4.08	30
1,4-Dichlorobenzene	**11.0**		0.4	1.0	"	10.0		110	19.4-160	5.28	30
1,1-Dichloroethane	**11.9**		0.4	1.0	"	10.0		119	27.6-164	6.16	30
1,2-Dichloroethane	**11.2**		0.4	1.0	"	10.0		112	29.9-158	3.34	30
1,1-Dichloroethene	**12.3**		0.5	1.0	"	10.0		123	21.4-178	6.31	30
cis-1,2-Dichloroethene	**10.6**		0.4	1.0	"	10.0		106	32.7-154	2.83	30
trans-1,2-Dichloroethene	**11.7**		0.5	1.0	"	10.0		117	15.9-168	5.74	30
1,2-Dichloropropane	**11.7**		0.4	1.0	"	10.0		117	34.9-152	7.22	30
1,3-Dichloropropane	**10.9**		0.3	1.0	"	10.0		109	37.8-153	2.97	30

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
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Batch EC42002 - Volatiles

LCS Dup (EC42002-BSD1) **Prepared: Mar-20-14 Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2,2-Dichloropropane	4.8		0.4	1.0	ug/L	10.0		48.5	38.8-167	20.2	30
1,1-Dichloropropene	11.7		0.5	1.0	"	10.0		117	29.7-177	5.27	30
cis-1,3-Dichloropropene	9.3		0.4	1.0	"	10.0		93.3	53.9-143	2.33	30
trans-1,3-Dichloropropene	9.0		0.3	1.0	"	10.0		90.0	47.8-139	7.36	30
Ethylbenzene	11.8		0.4	1.0	"	10.0		118	18.2-187	6.32	30
Hexachlorobutadiene	10.4		0.3	1.0	"	10.0		104	33.9-156	1.44	30
2-Hexanone	20.3		0.4	2.0	"	20.1		101	40.2-138	1.02	30
Vinyl chloride	9.2		0.5	1.0	"	10.0		92.0	14.9-223	17.2	30
Isopropylbenzene	11.8		0.4	1.0	"	10.0		118	11.1-195	6.12	30
Dichlorodifluoromethane	6.6	J	0.3	1.0	"	10.0		66.1	37.4-202	53.1	30
p-Isopropyltoluene	10.9		0.4	1.0	"	10.0		109	20.6-172	2.86	30
Methylene chloride	11.7		0.4	1.0	"	10.0		117	33.7-149	7.26	30
Methyl tert-butyl ether	11.1		0.3	1.0	"	10.0		111	50-150	4.74	200
4-Methyl-2-pentanone	21.7		0.4	2.0	"	19.9		109	41.1-146	5.59	30
Tetrahydrofuran	11.5		0.4	1.0	"	10.0		115	50-150	5.25	200
Naphthalene	9.7		0.3	1.0	"	10.0		97.4	29.3-160	0.411	30
1,4-Dioxane	55.8		8.8	10	"	50.0		112	50-150	9.78	200
Trichlorofluoromethane	10.2		0.4	1.0	"	10.0		102	17.8-214	7.60	30
n-Propylbenzene	11.5		0.4	1.0	"	10.0		115	22.1-163	5.63	30
Styrene	11.5		0.4	1.0	"	10.0		115	17.3-163	5.16	30
1,1,2,2-Tetrachloroethane	10.7		0.3	1.0	"	10.0		107	24.2-154	5.51	30
1,1,1,2-Tetrachloroethane	11.6		0.4	1.0	"	10.0		116	28-176	6.42	30
Tetrachloroethene	11.7		0.4	1.0	"	10.0		117	25.8-174	6.59	30
Toluene	11.9		0.4	1.0	"	10.0		119	33.2-158	8.44	30
1,2,3-Trichlorobenzene	10.1		0.3	1.0	"	10.0		101	38.9-153	1.74	30
1,2,4-Trichlorobenzene	10.1		0.3	1.0	"	10.0		101	34.8-154	3.70	30
1,1,2-Trichloroethane	11.6		0.3	1.0	"	10.0		116	35.9-150	9.29	30
1,1,1-Trichloroethane	12.1		0.4	1.0	"	10.0		121	29.5-176	7.22	30
Trichloroethene	12.5		0.4	1.0	"	10.0		125	37.7-163	13.0	30
1,2,3-Trichloropropane	14.1		0.3	1.0	"	10.0		141	20.6-167	34.9	30
1,3,5-Trimethylbenzene	11.4		0.4	1.0	"	10.0		114	12.3-192	5.30	30
1,2,4-Trimethylbenzene	11.3		0.4	1.0	"	10.0		113	19.3-177	3.37	30

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
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Batch EC42002 - Volatiles

LCS Dup (EC42002-BSD1) **Prepared: Mar-20-14 Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
m,p-Xylene	**23.5**		0.8	2.0	ug/L	20.0		117	15.4-167	6.78	30
o-Xylene	**11.7**		0.4	1.0	"	10.0		117	12.8-196	6.24	30

Matrix Spike (EC42002-MS1) **Source: E140307-36** **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*99.9*	*57-135*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*101*	*56-151*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*98.4*	*49-165*		
Acetone	**49.5**		0.7	5.0	"	50.0	1.1	96.8	33.7-191		
Acrolein	**43.3**	L	1.9	5.0	"	50.0	U	86.5	50-150		
Acrylonitrile	**52.4**		1.2	5.0	"	50.0	U	105	106-109		
Benzene	**11.2**		0.4	1.0	"	10.0	U	112	34-167		
Bromobenzene	**9.9**		0.4	1.0	"	10.0	U	99.3	44-167		
Bromochloromethane	**10.2**		0.4	1.0	"	10.0	U	102	37-175		
Bromodichloromethane	**10.4**		0.4	1.0	"	10.0	U	104	36-153		
Bromoform	**9.7**		0.3	1.0	"	10.0	U	96.5	17-157		
Bromomethane	**4.0**		0.5	1.0	"	10.0	U	40.0	50-150		
2-Butanone	**48.6**		2.3	5.0	"	50.0	U	97.3	50-150		
n-Butylbenzene	**9.6**		0.4	1.0	"	10.0	U	96.1	39-157		
sec-Butylbenzene	**10.6**		0.4	1.0	"	10.0	U	106	43-164		
tert-Butylbenzene	**11.0**		0.4	1.0	"	10.0	U	110	45-162		
Carbon disulfide	**12.7**		0.5	1.0	"	10.0	U	126	20-117		
Carbon Tetrachloride	**11.6**		0.5	1.0	"	10.0	U	116	9-173		
Chlorobenzene	**10.2**		0.4	1.0	"	10.0	U	102	44-167		
Chloroethane	**5.5**		0.4	1.0	"	10.0	U	55.3	50-150		
Chloroform	**22.2**		0.4	1.0	"	10.0	12.0	102	46-157		
Chloromethane	**2.0**		0.4	1.0	"	10.0	U	19.7	70-150		
2-Chlorotoluene	**10.4**		0.4	1.0	"	10.0	U	104	35-173		
4-Chlorotoluene	**10.1**		0.4	1.0	"	10.0	U	101	43-164		
Dibromochloromethane	**9.9**		0.4	1.0	"	10.0	U	99.4	24-168		
1,2-Dibromo-3-chloropropane	**9.6**		0.3	1.0	"	10.0	U	96.0	11-188		

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Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Behr Dayton Thermal Systems Project Number: [none] Project Manager: Howard Pham	Reported: Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42002 - Volatiles

Matrix Spike (EC42002-MS1) **Source: E140307-36** **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	9.8		0.3	1.0	ug/L	10.0	U	97.5	53-107		
Dibromomethane	10.1		0.3	1.0	"	10.0	U	101	42-168		
1,2-Dichlorobenzene	9.9		0.3	1.0	"	10.0	U	98.7	47-163		
1,3-Dichlorobenzene	9.9		0.4	1.0	"	10.0	U	98.8	42-173		
1,4-Dichlorobenzene	9.6		0.4	1.0	"	10.0	U	96.5	41-170		
1,1-Dichloroethane	12.4		0.4	1.0	"	10.0	1.1	113	35-177		
1,2-Dichloroethane	10.5		0.4	1.0	"	10.0	U	105	20-188		
1,1-Dichloroethene	12.8		0.5	1.0	"	10.0	U	128	4-173		
cis-1,2-Dichloroethene	11.3		0.4	1.0	"	10.0	1.3	99.6	32-164		
trans-1,2-Dichloroethene	11.8		0.5	1.0	"	10.0	U	118	35-179		
1,2-Dichloropropane	10.7		0.4	1.0	"	10.0	U	107	44-156		
1,3-Dichloropropane	9.8		0.3	1.0	"	10.0	U	98.0	42-163		
2,2-Dichloropropane	4.8	L	0.4	1.0	"	10.0	U	47.8	12-158		
1,1-Dichloropropene	11.4		0.5	1.0	"	10.0	U	114	37-157		
cis-1,3-Dichloropropene	8.8		0.4	1.0	"	10.0	U	88.2	24-156		
trans-1,3-Dichloropropene	8.7		0.3	1.0	"	10.0	U	86.7	12-160		
Ethylbenzene	10.7		0.4	1.0	"	10.0	U	107	43-163		
Hexachlorobutadiene	9.3		0.3	1.0	"	10.0	U	93.1	21-166		
2-Hexanone	19.1		0.4	2.0	"	20.1	U	95.1	32-145		
Vinyl chloride	3.2		0.5	1.0	"	10.0	U	32.5	50-150		
Isopropylbenzene	10.7		0.4	1.0	"	10.0	U	107	44-163		
Dichlorodifluoromethane	U	J	0.3	1.0	"	10.0	U		50-150		
p-Isopropyltoluene	10.1		0.4	1.0	"	10.0	U	101	46-164		
Methylene chloride	10.9		0.4	1.0	"	10.0	U	109	44-174		
4-Methyl-2-pentanone	18.9		0.4	2.0	"	19.9	U	95.1	30.5-119		
Naphthalene	8.9		0.3	1.0	"	10.0	U	88.9	27-161		
Trichlorofluoromethane	6.3		0.4	1.0	"	10.0	U	63.0	50-150		
n-Propylbenzene	10.4		0.4	1.0	"	10.0	U	104	55-156		
Styrene	10.2		0.4	1.0	"	10.0	U	102	43-157		
1,1,2,2-Tetrachloroethane	11.3		0.3	1.0	"	10.0	U	113	20-215		
1,1,1,2-Tetrachloroethane	10.1		0.4	1.0	"	10.0	U	101	28-176		
Tetrachloroethene	12.0		0.4	1.0	"	10.0	1.8	102	45-165		

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42002 - Volatiles

Matrix Spike (EC42002-MS1) **Source: E140307-36** **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Toluene	**10.3**		0.4	1.0	ug/L	10.0	U	103	51-151		
1,2,3-Trichlorobenzene	**9.0**		0.3	1.0	"	10.0	U	90.2	37-159		
1,2,4-Trichlorobenzene	**8.8**		0.3	1.0	"	10.0	U	87.9	36-154		
1,1,2-Trichloroethane	**10.0**		0.3	1.0	"	10.0	U	100	27-174		
1,1,1-Trichloroethane	**12.4**		0.4	1.0	"	10.0	0.9	116	18-180		
Trichloroethene	**13.0**		0.4	1.0	"	10.0	2.8	102	44-159		
1,2,3-Trichloropropane	**8.8**	K	0.3	1.0	"	10.0	U	87.9	37-181		
1,3,5-Trimethylbenzene	**10.3**		0.4	1.0	"	10.0	U	103	37-171		
1,2,4-Trimethylbenzene	**10.3**		0.4	1.0	"	10.0	U	103	39-171		
m,p-Xylene	**21.1**		0.8	2.0	"	20.0	U	106	45-163		
o-Xylene	**10.5**		0.4	1.0	"	10.0	U	105	44-163		

Matrix Spike Dup (EC42002-MSD1) **Source: E140307-36** **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*101*	*57-135*		
Surrogate: Toluene-d8	*2.1*				*"*	*2.00*		*103*	*56-151*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*99.7*	*49-165*		
Acetone	**46.3**		0.7	5.0	"	50.0	1.1	90.5	33.7-191	6.75	30
Acrolein	**41.8**	L	1.9	5.0	"	50.0	U	83.5	50-150	3.49	100
Acrylonitrile	**49.7**		1.2	5.0	"	50.0	U	99.5	106-109	5.16	30
Benzene	**10.8**		0.4	1.0	"	10.0	U	108	34-167	3.21	30
Bromobenzene	**9.7**		0.4	1.0	"	10.0	U	97.0	44-167	2.31	30
Bromochloromethane	**10.0**		0.4	1.0	"	10.0	U	99.6	37-175	1.98	30
Bromodichloromethane	**10.0**		0.4	1.0	"	10.0	U	100	36-153	4.38	30
Bromoform	**9.2**		0.3	1.0	"	10.0	U	91.8	17-157	5.00	30
Bromomethane	**3.9**		0.5	1.0	"	10.0	U	39.3	50-150	1.83	30
2-Butanone	**46.3**		2.3	5.0	"	50.0	U	92.6	50-150	4.90	30
n-Butylbenzene	**10.6**		0.4	1.0	"	10.0	U	106	39-157	9.88	30
sec-Butylbenzene	**11.2**		0.4	1.0	"	10.0	U	112	43-164	5.43	30
tert-Butylbenzene	**11.7**		0.4	1.0	"	10.0	U	117	45-162	6.07	30
Carbon disulfide	**12.5**		0.5	1.0	"	10.0	U	125	20-117	1.16	30

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42002 - Volatiles

Matrix Spike Dup (EC42002-MSD1) **Source: E140307-36** **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Carbon Tetrachloride	**11.4**		0.5	1.0	ug/L	10.0	U	114	9-173	1.52	30
Chlorobenzene	**9.8**		0.4	1.0	"	10.0	U	98.2	44-167	3.58	30
Chloroethane	**5.4**		0.4	1.0	"	10.0	U	53.6	50-150	3.07	30
Chloroform	**21.4**		0.4	1.0	"	10.0	12.0	94.9	46-157	7.26	30
Chloromethane	**1.8**		0.4	1.0	"	10.0	U	18.3	70-150	7.73	30
2-Chlorotoluene	**10.1**		0.4	1.0	"	10.0	U	101	35-173	3.25	30
4-Chlorotoluene	**9.9**		0.4	1.0	"	10.0	U	99.3	43-164	1.74	30
Dibromochloromethane	**9.5**		0.4	1.0	"	10.0	U	95.3	24-168	4.18	30
1,2-Dibromo-3-chloropropane	**9.8**		0.3	1.0	"	10.0	U	98.1	11-188	2.24	30
1,2-Dibromoethane (EDB)	**9.3**		0.3	1.0	"	10.0	U	92.9	53-107	4.81	30
Dibromomethane	**9.5**		0.3	1.0	"	10.0	U	95.4	42-168	5.58	30
1,2-Dichlorobenzene	**10.3**		0.3	1.0	"	10.0	U	103	47-163	4.75	30
1,3-Dichlorobenzene	**10.5**		0.4	1.0	"	10.0	U	105	42-173	5.64	30
1,4-Dichlorobenzene	**10.2**		0.4	1.0	"	10.0	U	102	41-170	6.04	30
1,1-Dichloroethane	**12.0**		0.4	1.0	"	10.0	1.1	109	35-177	3.84	30
1,2-Dichloroethane	**10.2**		0.4	1.0	"	10.0	U	102	20-188	2.92	30
1,1-Dichloroethene	**12.5**		0.5	1.0	"	10.0	U	125	4-173	2.65	30
cis-1,2-Dichloroethene	**11.1**		0.4	1.0	"	10.0	1.3	97.4	32-164	2.25	30
trans-1,2-Dichloroethene	**11.5**		0.5	1.0	"	10.0	U	115	35-179	1.85	30
1,2-Dichloropropane	**10.4**		0.4	1.0	"	10.0	U	104	44-156	2.47	30
1,3-Dichloropropane	**9.4**		0.3	1.0	"	10.0	U	94.4	42-163	3.76	30
2,2-Dichloropropane	**4.6**	L	0.4	1.0	"	10.0	U	46.4	12-158	2.93	30
1,1-Dichloropropene	**11.3**		0.5	1.0	"	10.0	U	113	37-157	1.13	30
cis-1,3-Dichloropropene	**8.6**		0.4	1.0	"	10.0	U	86.2	24-156	2.28	30
trans-1,3-Dichloropropene	**8.2**		0.3	1.0	"	10.0	U	82.2	12-160	5.31	30
Ethylbenzene	**10.4**		0.4	1.0	"	10.0	U	104	43-163	2.84	30
Hexachlorobutadiene	**10.3**		0.3	1.0	"	10.0	U	103	21-166	10.3	30
2-Hexanone	**18.4**		0.4	2.0	"	20.1	U	91.7	32-145	3.64	30
Vinyl chloride	**3.0**		0.5	1.0	"	10.0	U	30.2	50-150	7.43	30
Isopropylbenzene	**10.5**		0.4	1.0	"	10.0	U	105	44-163	2.39	30
Dichlorodifluoromethane	**U**	J	0.3	1.0	"	10.0	U		50-150		30
p-Isopropyltoluene	**10.7**		0.4	1.0	"	10.0	U	107	46-164	5.85	30

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42002 - Volatiles

Matrix Spike Dup (EC42002-MSD1) **Source: E140307-36** **Prepared: Mar-20-14 Analyzed: Mar-22-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Methylene chloride	10.5		0.4	1.0	ug/L	10.0	U	105	44-174	3.30	30
4-Methyl-2-pentanone	18.4		0.4	2.0	"	19.9	U	92.4	30.5-119	2.86	30
Naphthalene	9.6		0.3	1.0	"	10.0	U	96.1	27-161	7.83	30
Trichlorofluoromethane	6.2		0.4	1.0	"	10.0	U	61.6	50-150	2.27	30
n-Propylbenzene	10.2		0.4	1.0	"	10.0	U	102	55-156	1.96	30
Styrene	9.8		0.4	1.0	"	10.0	U	97.9	43-157	3.78	30
1,1,2,2-Tetrachloroethane	11.6		0.3	1.0	"	10.0	U	116	20-215	2.44	30
1,1,1,2-Tetrachloroethane	9.7		0.4	1.0	"	10.0	U	96.8	28-176	4.41	30
Tetrachloroethene	11.7		0.4	1.0	"	10.0	1.8	99.9	45-165	2.44	30
Toluene	10.8		0.4	1.0	"	10.0	U	108	51-151	4.79	30
1,2,3-Trichlorobenzene	9.6		0.3	1.0	"	10.0	U	96.1	37-159	6.36	30
1,2,4-Trichlorobenzene	9.6		0.3	1.0	"	10.0	U	96.3	36-154	9.08	30
1,1,2-Trichloroethane	9.4		0.3	1.0	"	10.0	U	94.4	27-174	5.95	30
1,1,1-Trichloroethane	12.1		0.4	1.0	"	10.0	0.9	112	18-180	3.17	30
Trichloroethene	12.5		0.4	1.0	"	10.0	2.8	96.8	44-159	4.99	30
1,2,3-Trichloropropane	11.5	K	0.3	1.0	"	10.0	U	115	37-181	26.6	30
1,3,5-Trimethylbenzene	10.2		0.4	1.0	"	10.0	U	102	37-171	0.967	30
1,2,4-Trimethylbenzene	10.8		0.4	1.0	"	10.0	U	108	39-171	4.72	30
m,p-Xylene	20.5		0.8	2.0	"	20.0	U	103	45-163	2.98	30
o-Xylene	10.1		0.4	1.0	"	10.0	U	101	44-163	3.69	30

Batch EC42401 - Volatiles

Blank (EC42401-BLK1) **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*98.1*	*57-135*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*98.5*	*56-151*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*102*	*49-165*		
Acetone	1.7		0.7	5.0	"						
Acrolein	U		1.9	5.0	"						
Acrylonitrile	U		1.2	5.0	"						

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42401 - Volatiles

Blank (EC42401-BLK1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzene	U		0.4	1.0	ug/L						
Bromobenzene	U		0.4	1.0	"						
Bromochloromethane	U		0.4	1.0	"						
Bromodichloromethane	U		0.4	1.0	"						
Bromoform	U		0.3	1.0	"						
Bromomethane	U		0.5	1.0	"						
2-Butanone	U		2.3	5.0	"						
n-Butylbenzene	U		0.4	1.0	"						
sec-Butylbenzene	U		0.4	1.0	"						
tert-Butylbenzene	U		0.4	1.0	"						
Carbon disulfide	U	J	0.5	1.0	"						
Carbon Tetrachloride	U		0.5	1.0	"						
Chlorobenzene	U		0.4	1.0	"						
Chloroethane	U		0.4	1.0	"						
Chloroform	U		0.4	1.0	"						
Chloromethane	U	J	0.4	1.0	"						
2-Chlorotoluene	U		0.4	1.0	"						
4-Chlorotoluene	U		0.4	1.0	"						
Dibromochloromethane	U		0.4	1.0	"						
1,2-Dibromo-3-chloropropane	U		0.3	1.0	"						
1,2-Dibromoethane (EDB)	U		0.3	1.0	"						
Dibromomethane	U		0.3	1.0	"						
1,2-Dichlorobenzene	U		0.3	1.0	"						
1,3-Dichlorobenzene	U		0.4	1.0	"						
1,4-Dichlorobenzene	U		0.4	1.0	"						
1,1-Dichloroethane	U		0.4	1.0	"						
1,2-Dichloroethane	U		0.4	1.0	"						
1,1-Dichloroethene	U		0.5	1.0	"						
cis-1,2-Dichloroethene	U		0.4	1.0	"						
trans-1,2-Dichloroethene	U		0.5	1.0	"						
1,2-Dichloropropane	U		0.4	1.0	"						
1,3-Dichloropropane	U		0.3	1.0	"						

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42401 - Volatiles

Blank (EC42401-BLK1) **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2,2-Dichloropropane	U		0.4	1.0	ug/L						
1,1-Dichloropropene	U		0.5	1.0	"						
cis-1,3-Dichloropropene	U		0.4	1.0	"						
trans-1,3-Dichloropropene	U		0.3	1.0	"						
Ethylbenzene	U		0.4	1.0	"						
Hexachlorobutadiene	U		0.3	1.0	"						
2-Hexanone	U		0.4	2.0	"						
Vinyl chloride	U	J	0.5	1.0	"						
Isopropylbenzene	U		0.4	1.0	"						
Dichlorodifluoromethane	U	J	0.3	1.0	"						
p-Isopropyltoluene	U		0.4	1.0	"						
Methylene chloride	U		0.4	1.0	"						
Methyl tert-butyl ether	U		0.3	1.0	"						
4-Methyl-2-pentanone	U		0.4	2.0	"						
Tetrahydrofuran	U		0.4	1.0	"						
Naphthalene	U		0.3	1.0	"						
1,4-Dioxane	U		8.8	10	"						
Trichlorofluoromethane	U		0.4	1.0	"						
n-Propylbenzene	U		0.4	1.0	"						
Styrene	U		0.4	1.0	"						
1,1,2,2-Tetrachloroethane	U		0.3	1.0	"						
1,1,1,2-Tetrachloroethane	U		0.4	1.0	"						
Tetrachloroethene	U		0.4	1.0	"						
Toluene	U		0.4	1.0	"						
1,2,3-Trichlorobenzene	U		0.3	1.0	"						
1,2,4-Trichlorobenzene	U		0.3	1.0	"						
1,1,2-Trichloroethane	U		0.3	1.0	"						
1,1,1-Trichloroethane	U		0.4	1.0	"						
Trichloroethene	U		0.4	1.0	"						
1,2,3-Trichloropropane	U		0.3	1.0	"						
1,3,5-Trimethylbenzene	U		0.4	1.0	"						
1,2,4-Trimethylbenzene	U		0.4	1.0	"						

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42401 - Volatiles

Blank (EC42401-BLK1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
m,p-Xylene	U		0.8	2.0	ug/L						
o-Xylene	U		0.4	1.0	"						

LCS (EC42401-BS1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*100*	*78-114*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*100*	*85-115*		
Surrogate: 4-Bromofluorobenzene	*2.0*				*"*	*2.00*		*98.2*	*59.2-140*		
Acetone	**43.7**		0.7	5.0	"	50.0		87.5	29.4-146		
Acrolein	**47.4**		1.9	5.0	"	50.0		94.7	50-150		
Acrylonitrile	**46.0**		1.2	5.0	"	50.0		92.0	41.8-152		
Benzene	**10.2**		0.4	1.0	"	10.0		102	39.4-159		
Bromobenzene	**9.7**		0.4	1.0	"	10.0		96.8	10.1-182		
Bromochloromethane	**9.1**		0.4	1.0	"	10.0		91.2	32-159		
Bromodichloromethane	**10.0**		0.4	1.0	"	10.0		99.9	35.2-146		
Bromoform	**9.5**		0.3	1.0	"	10.0		95.5	19.7-152		
Bromomethane	**7.7**		0.5	1.0	"	10.0		77.3	8.32-179		
2-Butanone	**44.2**		2.3	5.0	"	50.0		88.4	21.2-184		
n-Butylbenzene	**11.2**		0.4	1.0	"	10.0		112	29.6-162		
sec-Butylbenzene	**11.3**		0.4	1.0	"	10.0		113	21.1-173		
tert-Butylbenzene	**11.6**		0.4	1.0	"	10.0		116	13.2-193		
Carbon disulfide	**7.2**		0.5	1.0	"	10.0		72.1	20.5-180		
Carbon Tetrachloride	**10.5**		0.5	1.0	"	10.0		105	27.2-172		
Chlorobenzene	**9.9**		0.4	1.0	"	10.0		99.2	8.18-192		
Chloroethane	**8.6**		0.4	1.0	"	10.0		86.3	17.4-183		
Chloroform	**10.3**		0.4	1.0	"	10.0		103	37.6-159		
Chloromethane	**6.5**		0.4	1.0	"	10.0		64.8	13.4-184		
2-Chlorotoluene	**10.2**		0.4	1.0	"	10.0		102	18.9-176		
4-Chlorotoluene	**10.0**		0.4	1.0	"	10.0		100	18-167		
Dibromochloromethane	**9.6**		0.4	1.0	"	10.0		96.4	39-132		
1,2-Dibromo-3-chloropropane	**9.5**		0.3	1.0	"	10.0		95.1	36-141		

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	Reported:
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42401 - Volatiles

LCS (EC42401-BS1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	9.3		0.3	1.0	ug/L	10.0		93.2	36.6-152		
Dibromomethane	9.3		0.3	1.0	"	10.0		92.5	35.5-151		
1,2-Dichlorobenzene	10.1		0.3	1.0	"	10.0		101	36.7-148		
1,3-Dichlorobenzene	10.6		0.4	1.0	"	10.0		106	20.7-163		
1,4-Dichlorobenzene	10.2		0.4	1.0	"	10.0		102	19.4-160		
1,1-Dichloroethane	10.4		0.4	1.0	"	10.0		104	27.6-164		
1,2-Dichloroethane	9.9		0.4	1.0	"	10.0		99.2	29.9-158		
1,1-Dichloroethene	9.1		0.5	1.0	"	10.0		91.3	21.4-178		
cis-1,2-Dichloroethene	10.3		0.4	1.0	"	10.0		103	32.7-154		
trans-1,2-Dichloroethene	10.1		0.5	1.0	"	10.0		101	15.9-168		
1,2-Dichloropropane	10.2		0.4	1.0	"	10.0		102	34.9-152		
1,3-Dichloropropane	9.5		0.3	1.0	"	10.0		95.5	37.8-153		
2,2-Dichloropropane	10.5		0.4	1.0	"	10.0		105	38.8-167		
1,1-Dichloropropene	10.3		0.5	1.0	"	10.0		103	29.7-177		
cis-1,3-Dichloropropene	9.8		0.4	1.0	"	10.0		97.7	53.9-143		
trans-1,3-Dichloropropene	9.7		0.3	1.0	"	10.0		96.9	47.8-139		
Ethylbenzene	10.4		0.4	1.0	"	10.0		104	18.2-187		
Hexachlorobutadiene	10.9		0.3	1.0	"	10.0		109	33.9-156		
2-Hexanone	18.1		0.4	2.0	"	20.1		90.1	40.2-138		
Vinyl chloride	7.4		0.5	1.0	"	10.0		73.9	14.9-223		
Isopropylbenzene	10.4		0.4	1.0	"	10.0		104	11.1-195		
Dichlorodifluoromethane	3.5	J	0.3	1.0	"	10.0		35.0	37.4-202		
p-Isopropyltoluene	11.0		0.4	1.0	"	10.0		110	20.6-172		
Methylene chloride	9.7		0.4	1.0	"	10.0		97.0	33.7-149		
Methyl tert-butyl ether	9.2		0.3	1.0	"	10.0		91.6	50-150		
4-Methyl-2-pentanone	17.8		0.4	2.0	"	19.9		89.5	41.1-146		
Tetrahydrofuran	10.2		0.4	1.0	"	10.0		102	50-150		
1,4-Dioxane	45.7		8.8	10	"	50.0		91.4	50-150		
Naphthalene	8.9		0.3	1.0	"	10.0		89.2	29.3-160		
Trichlorofluoromethane	8.8		0.4	1.0	"	10.0		88.2	17.8-214		
n-Propylbenzene	10.4		0.4	1.0	"	10.0		104	22.1-163		
Styrene	10.0		0.4	1.0	"	10.0		100	17.3-163		

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Superfund, US EPA Region 5	Project: Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42401 - Volatiles

LCS (EC42401-BS1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	**11.3**		0.3	1.0	ug/L	10.0		113	24.2-154		
1,1,1,2-Tetrachloroethane	**9.9**		0.4	1.0	"	10.0		98.6	28-176		
Tetrachloroethene	**10.5**		0.4	1.0	"	10.0		105	25.8-174		
Toluene	**10.4**		0.4	1.0	"	10.0		104	33.2-158		
1,2,3-Trichlorobenzene	**9.4**		0.3	1.0	"	10.0		93.6	38.9-153		
1,2,4-Trichlorobenzene	**9.5**		0.3	1.0	"	10.0		95.0	34.8-154		
1,1,2-Trichloroethane	**9.7**		0.3	1.0	"	10.0		96.6	35.9-150		
1,1,1-Trichloroethane	**10.5**		0.4	1.0	"	10.0		105	29.5-176		
Trichloroethene	**9.9**		0.4	1.0	"	10.0		98.9	37.7-163		
1,2,3-Trichloropropane	**8.6**		0.3	1.0	"	10.0		85.6	20.6-167		
1,3,5-Trimethylbenzene	**10.2**		0.4	1.0	"	10.0		102	12.3-192		
1,2,4-Trimethylbenzene	**11.0**		0.4	1.0	"	10.0		110	19.3-177		
m,p-Xylene	**20.7**		0.8	2.0	"	20.0		103	15.4-167		
o-Xylene	**10.2**		0.4	1.0	"	10.0		102	12.8-196		

LCS Dup (EC42401-BSD1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Benzene-d6	*2.0*				*ug/L*	*2.00*		*99.4*	*78-114*		
Surrogate: Toluene-d8	*2.0*				*"*	*2.00*		*99.7*	*85-115*		
Surrogate: 4-Bromofluorobenzene	*1.9*				*"*	*2.00*		*95.4*	*59.2-140*		
Acetone	**45.3**		0.7	5.0	"	50.0		90.5	29.4-146	3.44	30
Acrolein	**37.9**		1.9	5.0	"	50.0		75.7	50-150	22.3	200
Acrylonitrile	**47.4**		1.2	5.0	"	50.0		94.8	41.8-152	2.95	30
Benzene	**11.4**		0.4	1.0	"	10.0		114	39.4-159	10.8	30
Bromobenzene	**10.4**		0.4	1.0	"	10.0		104	10.1-182	7.64	30
Bromochloromethane	**10.6**		0.4	1.0	"	10.0		106	32-159	14.8	30
Bromodichloromethane	**10.9**		0.4	1.0	"	10.0		109	35.2-146	8.52	30
Bromoform	**9.7**		0.3	1.0	"	10.0		96.9	19.7-152	1.44	30
Bromomethane	**8.5**		0.5	1.0	"	10.0		85.2	8.32-179	9.72	30
2-Butanone	**46.5**		2.3	5.0	"	50.0		93.0	21.2-184	5.07	30
n-Butylbenzene	**11.6**		0.4	1.0	"	10.0		116	29.6-162	3.81	30

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
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Batch EC42401 - Volatiles

LCS Dup (EC42401-BSD1) **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
sec-Butylbenzene	**12.2**		0.4	1.0	ug/L	10.0		122	21.1-173	7.66	30
tert-Butylbenzene	**12.6**		0.4	1.0	"	10.0		126	13.2-193	8.61	30
Carbon disulfide	**8.2**		0.5	1.0	"	10.0		81.2	20.5-180	11.9	30
Carbon Tetrachloride	**12.0**		0.5	1.0	"	10.0		120	27.2-172	13.4	30
Chlorobenzene	**10.8**		0.4	1.0	"	10.0		108	8.18-192	8.11	30
Chloroethane	**9.7**		0.4	1.0	"	10.0		96.8	17.4-183	11.5	30
Chloroform	**11.4**		0.4	1.0	"	10.0		114	37.6-159	10.0	30
Chloromethane	**7.4**		0.4	1.0	"	10.0		73.9	13.4-184	13.0	30
2-Chlorotoluene	**11.4**		0.4	1.0	"	10.0		114	18.9-176	10.9	30
4-Chlorotoluene	**11.1**		0.4	1.0	"	10.0		111	18-167	9.80	30
Dibromochloromethane	**10.2**		0.4	1.0	"	10.0		102	39-132	5.84	30
1,2-Dibromo-3-chloropropane	**9.6**		0.3	1.0	"	10.0		96.1	36-141	1.04	30
1,2-Dibromoethane (EDB)	**9.7**		0.3	1.0	"	10.0		97.1	36.6-152	4.01	30
Dibromomethane	**10.1**		0.3	1.0	"	10.0		101	35.5-151	8.91	30
1,2-Dichlorobenzene	**10.6**		0.3	1.0	"	10.0		106	36.7-148	5.11	30
1,3-Dichlorobenzene	**11.0**		0.4	1.0	"	10.0		110	20.7-163	3.87	30
1,4-Dichlorobenzene	**10.8**		0.4	1.0	"	10.0		108	19.4-160	5.73	30
1,1-Dichloroethane	**11.5**		0.4	1.0	"	10.0		115	27.6-164	10.7	30
1,2-Dichloroethane	**10.6**		0.4	1.0	"	10.0		106	29.9-158	6.43	30
1,1-Dichloroethene	**10.5**		0.5	1.0	"	10.0		105	21.4-178	13.7	30
cis-1,2-Dichloroethene	**11.1**		0.4	1.0	"	10.0		111	32.7-154	6.79	30
trans-1,2-Dichloroethene	**11.2**		0.5	1.0	"	10.0		112	15.9-168	10.5	30
1,2-Dichloropropane	**11.1**		0.4	1.0	"	10.0		111	34.9-152	8.02	30
1,3-Dichloropropane	**10.0**		0.3	1.0	"	10.0		100	37.8-153	4.90	30
2,2-Dichloropropane	**9.3**		0.4	1.0	"	10.0		92.6	38.8-167	12.6	30
1,1-Dichloropropene	**11.8**		0.5	1.0	"	10.0		118	29.7-177	13.0	30
cis-1,3-Dichloropropene	**10.1**		0.4	1.0	"	10.0		101	53.9-143	3.75	30
trans-1,3-Dichloropropene	**9.6**		0.3	1.0	"	10.0		96.5	47.8-139	0.426	30
Ethylbenzene	**11.6**		0.4	1.0	"	10.0		116	18.2-187	11.1	30
Hexachlorobutadiene	**11.3**		0.3	1.0	"	10.0		113	33.9-156	3.80	30
2-Hexanone	**18.1**		0.4	2.0	"	20.1		90.2	40.2-138	0.170	30
Vinyl chloride	**8.4**		0.5	1.0	"	10.0		83.7	14.9-223	12.4	30

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77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Howard Pham	Aug-18-14 11:13

Volatiles by GC/MS - Quality Control
TechLaw - ESAT Contract

Batch EC42401 - Volatiles

LCS Dup (EC42401-BSD1) — **Prepared & Analyzed: Mar-24-14**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Isopropylbenzene	11.8		0.4	1.0	ug/L	10.0		118	11.1-195	12.1	30
Dichlorodifluoromethane	5.0	J	0.3	1.0	"	10.0		49.6	37.4-202	34.4	30
p-Isopropyltoluene	11.7		0.4	1.0	"	10.0		117	20.6-172	6.53	30
Methylene chloride	10.6		0.4	1.0	"	10.0		106	33.7-149	9.14	30
Methyl tert-butyl ether	9.6		0.3	1.0	"	10.0		95.9	50-150	4.65	200
4-Methyl-2-pentanone	18.3		0.4	2.0	"	19.9		91.9	41.1-146	2.66	30
Tetrahydrofuran	11.3		0.4	1.0	"	10.0		113	50-150	10.8	200
1,4-Dioxane	47.2		8.8	10	"	50.0		94.3	50-150	3.20	200
Naphthalene	9.2		0.3	1.0	"	10.0		92.4	29.3-160	3.52	30
Trichlorofluoromethane	10.0		0.4	1.0	"	10.0		99.9	17.8-214	12.4	30
n-Propylbenzene	11.7		0.4	1.0	"	10.0		117	22.1-163	12.0	30
Styrene	10.8		0.4	1.0	"	10.0		108	17.3-163	8.05	30
1,1,2,2-Tetrachloroethane	10.4		0.3	1.0	"	10.0		104	24.2-154	7.90	30
1,1,1,2-Tetrachloroethane	10.7		0.4	1.0	"	10.0		107	28-176	7.87	30
Tetrachloroethene	11.6		0.4	1.0	"	10.0		116	25.8-174	10.5	30
Toluene	11.7		0.4	1.0	"	10.0		117	33.2-158	12.1	30
1,2,3-Trichlorobenzene	9.7		0.3	1.0	"	10.0		96.8	38.9-153	3.34	30
1,2,4-Trichlorobenzene	9.8		0.3	1.0	"	10.0		97.8	34.8-154	2.95	30
1,1,2-Trichloroethane	10.1		0.3	1.0	"	10.0		101	35.9-150	4.66	30
1,1,1-Trichloroethane	12.0		0.4	1.0	"	10.0		120	29.5-176	13.0	30
Trichloroethene	12.3		0.4	1.0	"	10.0		123	37.7-163	21.5	30
1,2,3-Trichloropropane	8.7		0.3	1.0	"	10.0		87.5	20.6-167	2.14	30
1,3,5-Trimethylbenzene	11.4		0.4	1.0	"	10.0		114	12.3-192	10.9	30
1,2,4-Trimethylbenzene	11.7		0.4	1.0	"	10.0		117	19.3-177	6.73	30
m,p-Xylene	22.9		0.8	2.0	"	20.0		115	15.4-167	10.4	30
o-Xylene	11.2		0.4	1.0	"	10.0		112	12.8-196	9.74	30

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Superfund, US EPA Region 5	Project:	Behr Dayton Thermal Systems	
77 West Jackson Boulevard	Project Number:	[none]	**Reported:**
Chicago IL, 60604	Project Manager:	Howard Pham	Aug-18-14 11:13

Notes and Definitions

L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Not Detected
NR	Not Reported

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
E140307-02	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
EC42002-MS1	Volatile Low Level Full List	Bromomethane	Exceeds lower control limit
EC42002-MS1	Volatile Low Level Full List	Carbon disulfide	Exceeds upper control limit
EC42002-MS1	Volatile Low Level Full List	Chloromethane	Exceeds lower control limit
EC42002-MS1	Volatile Low Level Full List	Vinyl chloride	Exceeds lower control limit
EC42002-MSD1	Volatile Low Level Full List	Acrylonitrile	Exceeds lower control limit
EC42002-MSD1	Volatile Low Level Full List	Bromomethane	Exceeds lower control limit
EC42002-MSD1	Volatile Low Level Full List	Carbon disulfide	Exceeds upper control limit
EC42002-MSD1	Volatile Low Level Full List	Chloromethane	Exceeds lower control limit
EC42002-MSD1	Volatile Low Level Full List	Vinyl chloride	Exceeds lower control limit
EC42401-BS1	Volatile Low Level Full List	Dichlorodifluoromethane	Exceeds lower control limit
EC42001-BSD1	Volatile Low Level Full List	Bromomethane	Exceeds RPD control limit
EC42002-BSD1	Volatile Low Level Full List	1,2,3-Trichloropropane	Exceeds RPD control limit
EC42002-BSD1	Volatile Low Level Full List	Dichlorodifluoromethane	Exceeds RPD control limit
			This is a modified report
E140307-08	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-15	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-14	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-13	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-12	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-11	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
EC42401-BSD1	Volatile Low Level Full List	Dichlorodifluoromethane	Exceeds RPD control limit
E140307-09	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-01	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-07	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-06	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-05	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-04	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-03	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
EC42002-MSD1	Volatile Low Level Full List	Dichlorodifluoromethane	Spike recovery below MDL
E140307-10	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-02	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
EC42002-MS1	Volatile Low Level Full List	Acrylonitrile	Exceeds lower control limit
E140307-21	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-19	Volatile Low Level Full List	1,1-Dichloroethene	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-14	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-13	Volatile Low Level Full List	1,1-Dichloroethene	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-23	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-10	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
E140307-30	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
	Volatiles Full List	(Water)	J-Flags used
	Volatiles Full List	(Water)	RPD calculations based on %Recovery
	Volatile Low Level Full List	(Water)	RPD calculations based on %Recovery
	Volatiles Full List	(Water)	Result calculations based on MDL
	Volatile Low Level Full List	(Water)	Result calculations based on MDL
			VERSION 6.12:2009
E140307-12	Volatile Low Level Full List	1,1-Dichloroethene	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
EC42002-MSD1	Volatile Low Level Full List	2,2-Dichloropropane	L: The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
E140307-18	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
EC42002-MS1	Volatile Low Level Full List	Dichlorodifluoromethane	Spike recovery below MDL
EC42002-MS1	Volatile Low Level Full List	1,2,3-Trichloropropane	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-39	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-34	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-22	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
EC42002-MSD1	Volatile Low Level Full List	Acrolein	L: The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
EC42001-BS1	Volatile Low Level Full List	Methyl tert-butyl ether	Exceeds upper control limit
EC42002-MSD1	Volatile Low Level Full List	1,2,3-Trichloropropane	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
EC42002-MS1	Volatile Low Level Full List	Acrolein	L: The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
EC42002-MS1	Volatile Low Level Full List	2,2-Dichloropropane	L: The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
E140307-40	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-36	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-31	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-29	Volatile Low Level Full List	Acetone	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
E140307-16	Volatile Low Level Full List		Missing Vinyl acetate
E140307-09	Volatile Low Level Full List		Missing Vinyl acetate
E140307-22	Volatile Low Level Full List		Missing Vinyl acetate
E140307-21	Volatile Low Level Full List		Missing Vinyl acetate
E140307-20	Volatile Low Level Full List		Missing Vinyl acetate

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
E140307-19	Volatile Low Level Full List		Missing Vinyl acetate
E140307-24	Volatile Low Level Full List		Missing Vinyl acetate
E140307-17	Volatile Low Level Full List		Missing Vinyl acetate
E140307-25	Volatile Low Level Full List		Missing Vinyl acetate
E140307-15	Volatile Low Level Full List		Missing Vinyl acetate
E140307-14	Volatile Low Level Full List		Missing Vinyl acetate
E140307-13	Volatile Low Level Full List		Missing Vinyl acetate
E140307-12	Volatile Low Level Full List		Missing Vinyl acetate
E140307-11	Volatile Low Level Full List		Missing Vinyl acetate
E140307-16	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-18	Volatile Low Level Full List		Missing Vinyl acetate
E140307-32	Volatile Low Level Full List		Missing Vinyl acetate
E140307-39	Volatile Low Level Full List		Missing Vinyl acetate
E140307-38	Volatile Low Level Full List		Missing Vinyl acetate
E140307-37	Volatile Low Level Full List		Missing Vinyl acetate
E140307-36	Volatile Low Level Full List		Missing Vinyl acetate
E140307-35	Volatile Low Level Full List		Missing Vinyl acetate
E140307-23	Volatile Low Level Full List		Missing Vinyl acetate
E140307-33	Volatile Low Level Full List		Missing Vinyl acetate
E140307-08	Volatile Low Level Full List		Missing Vinyl acetate
E140307-31	Volatile Low Level Full List		Missing Vinyl acetate
E140307-30	Volatile Low Level Full List		Missing Vinyl acetate
E140307-29	Volatile Low Level Full List		Missing Vinyl acetate
E140307-28	Volatile Low Level Full List		Missing Vinyl acetate
E140307-27	Volatile Low Level Full List		Missing Vinyl acetate
E140307-26	Volatile Low Level Full List		Missing Vinyl acetate
E140307-34	Volatile Low Level Full List		Missing Vinyl acetate
E140307-24	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-10	Volatile Low Level Full List		Missing Vinyl acetate
E140307-30	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-29	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-28	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-27	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-32	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-25	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-33	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-23	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-22	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-21	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-20	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-19	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-40	Volatile Low Level Full List		Missing Vinyl acetate
E140307-26	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-40	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-07	Volatile Low Level Full List		Missing Vinyl acetate
E140307-06	Volatile Low Level Full List		Missing Vinyl acetate
E140307-05	Volatile Low Level Full List		Missing Vinyl acetate
E140307-04	Volatile Low Level Full List		Missing Vinyl acetate
E140307-03	Volatile Low Level Full List		Missing Vinyl acetate
E140307-31	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
E140307-01	Volatile Low Level Full List		Missing Vinyl acetate
E140307-17	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-39	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-38	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-37	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-36	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-35	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-34	Volatile Low Level Full List		Missing 2-Chloroethylvinyl ether
E140307-02	Volatile Low Level Full List		Missing Vinyl acetate

Sample, Log and Extraction Comments

E140307-01 **Volatile Low Level Full List**	14CB02-11
E140307-02 **Volatile Low Level Full List**	14CB02-12: Field Duplicate of E140307-03
E140307-03 **Volatile Low Level Full List**	14CB02-13
E140307-04 **Volatile Low Level Full List**	14CB02-14
E140307-05 **Volatile Low Level Full List**	14CB02-15 From EC42001 by TS on Mar-24-14
E140307-06 **Volatile Low Level Full List**	14CB02-16
E140307-07 **Volatile Low Level Full List**	14CB02-17
E140307-08 **Volatile Low Level Full List**	14CB02-18
E140307-09 **Volatile Low Level Full List**	14CB02-19
E140307-10 **Volatile Low Level Full List**	14CB02-20
E140307-11 **Volatile Low Level Full List**	14CB02-21
E140307-12 **Volatile Low Level Full List**	14CB02-22
E140307-13 **Volatile Low Level Full List**	14CB02-23
E140307-14 **Volatile Low Level Full List**	14CB02-24
E140307-15 **Volatile Low Level Full List**	14CB02-25
E140307-16 **Volatile Low Level Full List**	14CB02-26
E140307-17 **Volatile Low Level Full List**	14CB02-27
E140307-18 **Volatile Low Level Full List**	14CB02-28: Field Duplicate of E140307-17
E140307-19	

Volatile Low Level Full List	
	14CB02-29
E140307-20	
Volatile Low Level Full List	
	14CB02-32
E140307-21	
Volatile Low Level Full List	
	14CB02-82: Trip blank for E140307-01 thru -21
E140307-22	
Volatile Low Level Full List	
	14CB02-33
E140307-23	
Volatile Low Level Full List	
	14CB02-34
E140307-24	
Volatile Low Level Full List	
	14CB02-35
E140307-25	
Volatile Low Level Full List	
	14CB02-38
E140307-26	
Volatile Low Level Full List	
	14CB02-40
E140307-27	
Volatile Low Level Full List	
	14CB02-41
E140307-28	
Volatile Low Level Full List	
	14CB02-42
E140307-29	
Volatile Low Level Full List	
	14CB02-43
E140307-30	
Volatile Low Level Full List	
	14CB02-47
E140307-31	
Volatile Low Level Full List	
	14CB02-48
E140307-32	
Volatile Low Level Full List	
	14CB02-49
E140307-33	
Volatile Low Level Full List	
	14CB02-50
E140307-34	
Volatile Low Level Full List	
	14CB02-51
E140307-35	
Volatile Low Level Full List	
	14CB02-52
E140307-36	
Volatile Low Level Full List	
	14CB02-53: MS/MSD
E140307-37	
Volatile Low Level Full List	
	14CB02-54
E140307-38	
Volatile Low Level Full List	

E140307-39
Volatile Low Level Full List

E140307-40
Volatile Low Level Full List

14CB02-56

14CB02-57

14CB02-84; Trip blank for E140307-22 thru -40

Injection Log

Data Directory: J:\IITRI-GCMS\GCMS13 5977\DATA\032414\

Line	Vial	FileName	SampleName	MiscInfo	Injection Time
1)	1	B032144001.D	4032401-TUN1		24 Mar 2014 10:19 am
2)	1	B032144002.D	EC4201-BS1	open CCV	24 Mar 2014 10:41 am
3)	2	B032144003.D	EC42401-BLK1	Method Blank	24 Mar 2014 11:03 am
4)	2	B032144004.D	E140307-05	070397	24 Mar 2014 11:24 am
5)	2	B032144005.D	E140307-05DL1	070397	24 Mar 2014 11:48 am
6)	3	B032144006.D	E140307-04DL1	070396	24 Mar 2014 12:12 pm
7)	4	B032144007.D	E140307-12DL1	070420	24 Mar 2014 12:36 pm
8)	5	B032144008.D	E140307-13DL1	070423	24 Mar 2014 01:00 pm
9)	6	B032144009.D	E140307-19DL1	070445	24 Mar 2014 01:24 pm
10)	7	B032144010.D	E14307-22DL1	070449	24 Mar 2014 01:48 pm
11)	8	B032144011.D	E14307-23DL1	070451	24 Mar 2014 02:12 pm
12)	9	B032144012.D	E14307-24DL1	070454	24 Mar 2014 02:36 pm
13)	10	B032144013.D	E14307-25DL1	070464	24 Mar 2014 03:00 pm
14)	11	B032144014.D	E14307-26DL1	070469	24 Mar 2014 03:24 pm
15)	12	B032144015.D	E14307-34DL1	07504	24 Mar 2014 03:48 pm
16)	13	B032144016.D	E14307-35DL1	070506	24 Mar 2014 04:12 pm
17)	14	B032144017.D	E14307-37DL1	070518	24 Mar 2014 04:36 pm
18)	15	B032144018.D	E140307-39DL1	070527	24 Mar 2014 05:00 pm
19)	2	B032144019.D	E140307-05DL1	070397	24 Mar 2014 05:24 pm
20)	16	B032144020.D	E14307-25DL2	070464	24 Mar 2014 05:48 pm
21)	16	B032144021.D	E14307-25DL3	070464	24 Mar 2014 06:12 pm
22)	17	B032144022.D	EC42401-BSD1	close CCV	24 Mar 2014 06:34 pm

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Thu Aug 14 12:59:07 2014

Starting sequence Mon Mar 24 09:59:21 2014

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1	4032401-TUN1	1	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032114\	B032144002.D
2	4032401-CCV1	1	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032114\	B032144003.D
3	EC42401-BLK1	2	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144004.D
4	E140307-05	2	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144005.D
5	E140307-05DL1	2	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144006.D
6	E140307-04DL1	3	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144007.D
7	E140307-12DL1	4	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144008.D
8	E140307-13DL1	5	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144009.D
9	E140307-19DL1	6	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144010.D
10	E14307-22DL1	7	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144011.D
11	E14307-23DL1	8	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144012.D
12	E14307-24DL1	9	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144013.D
13	E14307-25DL1	10	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144014.D
14	E14307-26DL1	11	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144015.D
15	E14307-34DL1	12	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144016.D
16	E14307-35DL1	13	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144017.D
17	E14307-37DL1	14	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144018.D
18	E140307-39DL1	15	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144019.D
19	E140307-05DL1	2	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144020.D
20	E14307-25DL2	16	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144021.D
21	E14307-25DL3	16	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144022.D
22	EC42001-BSD1	17	0	D:\MassHunter\GCMS\1\methods\	GCMS13_acquire31514.M	D:\MassHunter\Data\ESAT\032414\	B032144023.D

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1	4032401-TUN1	TuneCheck			1		0	0	0
2	4032401-CCV1	Sample			1 EC4001-BS1		0	0	0
3	EC42401-BLK1	Sample			1 Method Blank		0	0	0
4	E140307-05	Sample			1	70397	0	0	0
5	E140307-05DL1	Sample			1	70397	0	0	0
6	E140307-04DL1	Sample			1	70396	0	0	0
7	E140307-12DL1	Sample			1	70420	0	0	0
8	E140307-13DL1	Sample			1	70423	0	0	0
9	E140307-19DL1	Sample			1	70445	0	0	0
10	E14307-22DL1	Sample			1	70449	0	0	0
11	E14307-23DL1	Sample			1	70451	0	0	0
12	E14307-24DL1	Sample			1	70454	0	0	0
13	E14307-25DL1	Sample			1	70464	0	0	0
14	E14307-26DL1	Sample			1	70469	0	0	0
15	E14307-34DL1	Sample			1	7504	0	0	0
16	E14307-35DL1	Sample			1	70506	0	0	0
17	E14307-37DL1	Sample			1	70518	0	0	0
18	E140307-39DL1	Sample			1	70527	0	0	0
19	E140307-05DL1	Sample			1	70397	0	0	0
20	E14307-25DL2	Sample			1	70464	0	0	0
21	E14307-25DL3	Sample			1	70464	0	0	0
22	EC42001-BSD1	Sample			1		0	0	0

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1	4032401-TUN1			D:\MassHunter\GCMS\1\Pretreat\			0	
2	4032401-CCV1			D:\MassHunter\GCMS\1\Pretreat\			0	
3	EC42401-BLK1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
4	E140307-05			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
5	E140307-05DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
6	E140307-04DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
7	E140307-12DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
8	E140307-13DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
9	E140307-19DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
10	E14307-22DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
11	E14307-23DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
12	E14307-24DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
13	E14307-25DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
14	E14307-26DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
15	E14307-34DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
16	E14307-35DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
17	E14307-37DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
18	E140307-39DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
19	E140307-05DL1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
20	E14307-25DL2			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
21	E14307-25DL3			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\
22	EC42001-BSD1			D:\MassHunter\GCMS\1\Pretreat\			0	C:\ESAT\

_seqline	_dataname$	_damethodfilenar	_dareportpath$
1	4032401-TUN1		
2	4032401-CCV1		
3	EC42401-BLK1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
4	E140307-05	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
5	E140307-05DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
6	E140307-04DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
7	E140307-12DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
8	E140307-13DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
9	E140307-19DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
10	E14307-22DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
11	E14307-23DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
12	E14307-24DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
13	E14307-25DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
14	E14307-26DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
15	E14307-34DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
16	E14307-35DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
17	E14307-37DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
18	E140307-39DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
19	E140307-05DL1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
20	E14307-25DL2	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
21	E14307-25DL3	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx
22	EC42001-BSD1	BDTS_032114.M	D:\MassHunter\Report Templates\Quant\en-US\Letter\EnviroQuant\EnviroQuant_QuantitationResults_B_06_00.xltx

_seqline	_dataname$	_sampleinformation$	_istdamt	_keyword$	_keywordsti	_matrixspike	_samplegroup	_samplingd	_sampling	_totalsampleamount
1	4032401-TUN1		0						0	0
2	4032401-CCV1	E4A0903	0						0	0
3	EC42401-BLK1	E4A0903	0						0	0
4	E140307-05	PZ-026I	0						0	0
5	E140307-05DL1	PZ-026I 10X	0						0	0
6	E140307-04DL1	OEPA-03 10X	0						0	0
7	E140307-12DL1	MW-67S-COD 10X	0						0	0
8	E140307-13DL1	MW-64S-COD 10X	0						0	0
9	E140307-19DL1	BE-MW101I 25X	0						0	0
10	E14307-22DL1	MW-08S 10X	0						0	0
11	E14307-23DL1	MW-11S 10X	0						0	0
12	E14307-24DL1	MWB-003 100X	0						0	0
13	E14307-25DL1	PZ-81 100X	0						0	0
14	E14307-26DL1	GC-MW101S 10X	0						0	0
15	E14307-34DL1	P-5 10X	0						0	0
16	E14307-35DL1	P-6 10X	0						0	0
17	E14307-37DL1	OEPA-07 10X	0						0	0
18	E140307-39DL1	OEPA-12 10X	0						0	0
19	E140307-05DL1	PZ-026I 100X	0						0	0
20	E14307-25DL2	PZ-81 1:50 50X	0						0	0
21	E14307-25DL3	PZ-8I 1:50 100X	0						0	0
22	EC42001-BSD1	CLOSE CCV	0						0	0

Schedule Ended (Completed) Monday, March 24, 2014 at 6:38:31 PM

User: Administrator
Instrument: Atomx #2

Schedule: "BDTS032414" (version 6)
Time elapsed: 517.8 minutes

Sample Ended (Completed) Monday, March 24, 2014 at 6:38:30 PM

User: Administrator
Instrument: Atomx #2

Line 22 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.5
Bake psig: 32.1
Elapsed time: 21.5 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 6:16:58 PM

User: Administrator
Instrument: Atomx #2

Line 22 of schedule "BDTS032414" (version 6)

Vial Position: 17
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Sample Ended (Completed) Monday, March 24, 2014 at 6:16:31 PM

User: Administrator
Instrument: Atomx #2

Line 21 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.1
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 5:52:36 PM

User: Administrator
Instrument: Atomx #2

Line 21 of schedule "BDTS032414" (version 6)

Vial Position: 16
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:100

Sample Ended (Completed) Monday, March 24, 2014 at 5:52:35 PM

User: Administrator
Instrument: Atomx #2

Line 20 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.5
Bake psig: 32.2
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 5:28:43 PM

User: Administrator
Instrument: Atomx #2
Line 20 of schedule "BDTS032414" (version 6)

Vial Position: 16
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:50

Sample Ended (Completed) Monday, March 24, 2014 at 5:28:36 PM

User: Administrator
Instrument: Atomx #2
Line 19 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.1
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 5:04:43 PM

User: Administrator
Instrument: Atomx #2
Line 19 of schedule "BDTS032414" (version 6)

Vial Position: 2
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:100

Sample Ended (Completed) Monday, March 24, 2014 at 5:04:40 PM

User: Administrator
Instrument: Atomx #2
Line 18 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.3
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 4:40:43 PM

User: Administrator
Instrument: Atomx #2
Line 18 of schedule "BDTS032414" (version 6)

Vial Position: 15
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 4:40:40 PM

User: Administrator
Instrument: Atomx #2

Line 17 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.1
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 4:16:43 PM

User: Administrator
Instrument: Atomx #2

Line 17 of schedule "BDTS032414" (version 6)

Vial Position: 14
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 4:16:39 PM

User: Administrator
Instrument: Atomx #2

Line 16 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.1
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 3:52:47 PM

User: Administrator
Instrument: Atomx #2

Line 16 of schedule "BDTS032414" (version 6)

Vial Position: 13
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 3:52:44 PM

User: Administrator
Instrument: Atomx #2

Line 15 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.3
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 3:28:47 PM

User: Administrator
Instrument: Atomx #2

Line 15 of schedule "BDTS032414" (version 6)

Vial Position: 12
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0

Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 3:28:44 PM

User: Administrator
Instrument: Atomx #2

Line 14 of schedule "BDTS032414" (version 6)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.3
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 3:04:45 PM

User: Administrator
Instrument: Atomx #2

Line 14 of schedule "BDTS032414" (version 5)

Vial Position: 11
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 3:04:44 PM

User: Administrator
Instrument: Atomx #2

Line 13 of schedule "BDTS032414" (version 5)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.2
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 2:40:49 PM

User: Administrator
Instrument: Atomx #2

Line 13 of schedule "BDTS032414" (version 5)

Vial Position: 10
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:100

Sample Ended (Completed) Monday, March 24, 2014 at 2:40:48 PM

User: Administrator
Instrument: Atomx #2

Line 12 of schedule "BDTS032414" (version 5)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.3
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 2:16:50 PM

User: Administrator

Instrument: Atomx #2
Line 12 of schedule "BDTS032414" (version 5)

Vial Position: 9
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:100

Sample Ended (Completed) Monday, March 24, 2014 at 2:16:49 PM

User: Administrator
Instrument: Atomx #2
Line 11 of schedule "BDTS032414" (version 5)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.2
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 1:52:54 PM

User: Administrator
Instrument: Atomx #2
Line 11 of schedule "BDTS032414" (version 5)

Vial Position: 8
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 1:52:53 PM

User: Administrator
Instrument: Atomx #2
Line 10 of schedule "BDTS032414" (version 5)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.2
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 1:28:56 PM

User: Administrator
Instrument: Atomx #2
Line 10 of schedule "BDTS032414" (version 5)

Vial Position: 7
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 1:28:54 PM

User: Administrator
Instrument: Atomx #2

Line 9 of schedule "BDTS032414" (version 5)

Foam: No
Foam Eliminator Attempts: n/a

Purge psig: 6.6
Bake psig: 32.2
Elapsed time: 24.1 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 1:04:49 PM

User: Administrator
Instrument: Atomx #2
Line 9 of schedule "BDTS032414" (version 4)

Vial Position: 6
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:25

Sample Ended (Completed) Monday, March 24, 2014 at 1:04:48 PM

User: Administrator
Instrument: Atomx #2
Line 8 of schedule "BDTS032414" (version 4)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.3
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 12:40:50 PM

User: Administrator
Instrument: Atomx #2
Line 8 of schedule "BDTS032414" (version 3)

Vial Position: 5
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 12:40:48 PM

User: Administrator
Instrument: Atomx #2
Line 7 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.1
Elapsed time: 24.0 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 12:16:50 PM

User: Administrator
Instrument: Atomx #2
Line 7 of schedule "BDTS032414" (version 3)

Vial Position: 4
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 12:16:48 PM

User: Administrator
Instrument: Atomx #2
Line 6 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.1
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 11:52:53 AM

User: Administrator
Instrument: Atomx #2
Line 6 of schedule "BDTS032414" (version 3)

Vial Position: 3
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 11:52:52 AM

User: Administrator
Instrument: Atomx #2
Line 5 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.3
Elapsed time: 23.9 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 11:28:58 AM

User: Administrator
Instrument: Atomx #2
Line 5 of schedule "BDTS032414" (version 3)

Vial Position: 2
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:10

Sample Ended (Completed) Monday, March 24, 2014 at 11:28:57 AM

User: Administrator
Instrument: Atomx #2
Line 4 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.1
Elapsed time: 21.3 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 11:07:41 AM

User: Administrator
Instrument: Atomx #2

Line 4 of schedule "BDTS032414" (version 3)

Vial Position: 2
Method: ESAT 25 mL Water 1 (Water)

Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Sample Ended (Completed) Monday, March 24, 2014 at 11:07:08 AM

User: Administrator
Instrument: Atomx #2
Line 3 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.1
Elapsed time: 21.4 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 10:45:46 AM

User: Administrator
Instrument: Atomx #2
Line 3 of schedule "BDTS032414" (version 3)

Vial Position: 0
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Sample Ended (Completed) Monday, March 24, 2014 at 10:45:24 AM

User: Administrator
Instrument: Atomx #2
Line 2 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.7
Bake psig: 32.3
Elapsed time: 21.3 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 10:24:07 AM

User: Administrator
Instrument: Atomx #2
Line 2 of schedule "BDTS032414" (version 3)

Vial Position: 1
Method: ESAT 25 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Sample Ended (Completed) Monday, March 24, 2014 at 10:23:29 AM

User: Administrator
Instrument: Atomx #2
Line 1 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.5
Bake psig: 32.1
Elapsed time: 22.6 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 10:00:50 AM

User: Administrator
Instrument: Atomx #2
Line 1 of schedule "BDTS032414" (version 3)

Vial Position: 0
Method: ESAT 5 mL Water 1 (Water)
Standard 1 Volume: 0
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Schedule Started (User Initiated) Monday, March 24, 2014 at 10:00:44 AM

User: Administrator
Instrument: Atomx #2

Schedule Ended (User Aborted) Monday, March 24, 2014 at 9:53:49 AM

User: Administrator
Instrument: Atomx #2
Schedule: "BDTS032414" (version 3)
Time elapsed: 53.2 minutes

Sample Ended (User Aborted) Monday, March 24, 2014 at 9:53:49 AM

User: Administrator
Instrument: Atomx #2
Line 1 of schedule "BDTS032414" (version 3)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.5
Bake psig: Not sampled; duration too short
Elapsed time: 53.2 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 9:00:36 AM

User: Administrator
Instrument: Atomx #2
Line 1 of schedule "BDTS032414" (version 2)

Vial Position: 0
Method: ESAT 5 mL Water 1 (Water)
Standard 1 Volume: 0
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Schedule Started (User Initiated) Monday, March 24, 2014 at 9:00:36 AM

User: Administrator
Instrument: Atomx #2

Schedule Ended (User Aborted) Monday, March 24, 2014 at 8:44:01 AM

User: Administrator
Instrument: Atomx #2
Schedule: "BDTS032414" (version 1)
Time elapsed: 1.6 minutes

Sample Ended (User Aborted) Monday, March 24, 2014 at 8:44:01 AM

User: Administrator
Instrument: Atomx #2

Line 1 of schedule "BDTS032414" (version 1)

Foam: No

Foam Eliminator Attempts: n/a
Purge psig: Not sampled; duration too short
Bake psig: Not sampled; duration too short
Elapsed time: 1.6 minutes

Sample Started (Schedule In Progress) Monday, March 24, 2014 at 8:42:23 AM

User: Administrator
Instrument: Atomx #2

Line 1 of schedule "BDTS032414" (version 1)

Vial Position: 1
Method: ESAT 5 mL Water 1 (Water)
Standard 1 Volume: 10
Standard 2 Volume: 0
Standard 3 Volume: 0
Dilution: 1:1

Schedule Started (User Initiated) Monday, March 24, 2014 at 8:42:22 AM

User: Administrator
Instrument: Atomx #2

Schedule Ended (Completed) Monday, March 24, 2014 at 7:17:00 AM

User: Administrator
Instrument: Atomx #2

Schedule: "BDTS032114" (version 11)
Time elapsed: 3784.5 minutes

Sample Ended (Completed) Monday, March 24, 2014 at 7:16:59 AM

User: Administrator
Instrument: Atomx #2

Line 53 of schedule "BDTS032114" (version 11)

Foam: No
Foam Eliminator Attempts: n/a
Purge psig: 6.6
Bake psig: 32.1
Elapsed time: 2601.6 minutes

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Mail
Calendar
Contacts

Deleted Items (1)
Drafts
Inbox
Junk E-mail [1]
Sent Items

Click to view all folders

subscribe (318)

Manage Folders...

Reply | Reply All | Forward | Close

RE: Client question Behr-Dayton volatiles E140307

Burden, James

Flag for follow up

Sent: Monday, August 04, 2014 4:31 PM

To: Mitsakopoulos, Greg [mitsakopoulos.greg@epa.gov]; Little, Paul-A [little.paul-a@epa.gov]; Rice, Christina; Traina, Michele

Cc: Wroble, Amanda [wroble.amanda@epa.gov]; Kerr, Michelle [kerr.michelle@epa.gov]

Greg,

I'm sure we did not misreport those, but I can have someone verify the results tomorrow. Christina Rice or Michele Traina should be in tomorrow. I'm checking techlaw email each day as I can.

Thanks,

Jim

From: Mitsakopoulos, Greg [mitsakopoulos.greg@epa.gov]
Sent: Monday, August 04, 2014 3:26 PM
To: Little, Paul-A
Cc: Wroble, Amanda; Kerr, Michelle; Burden, James
Subject: Client question Behr-Dayton volatiles E140307

Paul,

The client contacted Amanda with the concern that he anticipated there would not be much in samples -05, -24, and -25. He'd like the analyst to verify that no error had been made, such as an errant dilution factor.

Michelle is available, yet on travel. I hope this email might be of use because NEMC/Washington is an hour ahead, and it's now late in the afternoon.

Thanks

Greg Mitsakopoulos
Metals Group Leader/Chemist; TOCOR on EP-W-13-025
USEPA Region 5 Chicago Regional Laboratory
(312) 353-0377
mitsakopoulos.greg@epa.gov<mailto:mitsakopoulos.greg@epa.gov>

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