



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 14-0429  
Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

**November 21, 2014**

**MEMORANDUM**

**SUBJECT:** FINAL Analytical Report  
Project: 14-0430, Cabot Carbon/Koppers  
Superfund Remedial

**FROM:** Jeffrey Hendel  
SESD ASB Chemist

**THRU:** Marilyn Maycock, Chief  
Office of Quality Assurance

**TO:** Scott Miller

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Office of Quality Assurance. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:

Method Used:

Accreditations:

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**Semi Volatile Organics (SVOA)**

Semivolatile organic compounds

CLP BNA (Water)



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**Report Narrative** for Work Order C143904, Project: 14-0430  
Site Name: Cabot Carbon/Koppers, Gainesville, FL  
CLP Case No. 44642, ELEMENT Sample Nos. C143904-01 through C143904-21  
C143905-01 (PES only)

Organic Analysis: KAP Technologies, Inc., The Woodlands, TX

The ESAT Work Team reviewed data for twenty-one (21) water samples analyzed for Semi-Volatile Extractable Organic Compounds per CLP Statement of Work SOM01.2. The samples were collected between 08/26/14 through 08/28/14, and were received by the laboratory between 08/28/14 through 09/02/14. The final data package was received on 09/23/14 by the USEPA Quality Assurance Section, Region 4 SESD/MTSB. The analytical results were reported in one sample delivery group (SDG) by the laboratory. In addition to the field samples, the laboratory also analyzed one performance evaluation sample (PES) for evaluating the laboratory's performance with using the methods.

The laboratory satisfied all contractual and technical holding time limits except for the re-extractions performed for samples C143904-09, 10, and 12. These re-extractions were required since more than four deuterated monitoring compounds (DMCs) were outside the QC acceptance limits in the original extractions. Similar recoveries and results reported in both sets may be indicative of sample matrix effects. Data qualification was not performed on this basis since the original data was used. A Stage 4 validation consisting of an electronic/manual review (S4VEM) was performed on the organic samples submitted for this case. The data package presents acceptable technical performance with qualifications.

All results associated with erratic initial and/or continuing calibration performance were "J" flagged with the appropriate Element qualifier (CLP16 and/or QC-1). Deuterated monitoring compounds (DMC) are used as surrogates in each sample for GC/MS analysis to monitor extraction efficiency.

Data quality factors requiring qualification of results are discussed below:

The laboratory encountered poor instrument responses in the initial and continuing calibration standards for the compound Atrazine. For the samples C143904-01 – 15 and 17 – 21, the Atrazine results were non-detects and were qualified "UR" (CLP17, CLP32).

The laboratory encountered poor instrument responses for 2,4-Dinitrophenol for some of the initial calibration standards analyzed for this Case. For the sample C143904-16 the 2,4-Dinitrophenol result was non-detected and qualified "UR" (CLP17).

The percent recoveries of DMCs were greater than the upper quality control limit established in the method for samples C143904-06, 10, 11, 13, and 19. Any positive results associated with an out of control DMC were qualified "J" (QS-5).



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The percent recoveries of DMCs were less than the lower quality control limit established in the method for samples C143904-08, 10, 11, 18, and 19. Any compound associated with an out of control DMC were qualified "J" (QS-3).

The laboratory reported internal standard area counts less than the lower quality control limit established by the method for samples C143904-09, 10, 11, and 12. Any compound associated with an out of control internal standard were qualified "J" (QI-1).

The percent recoveries of the DMC 4-Chloroaniline-d4 were within the quality control limit established in the method and less than 10% in samples C143904-10, 13, 18, and 19. The compounds associated with this DMC; 4-Chloroaniline; Hexachlorocyclopentadiene; and 3,3'-Dichlorobenzidine were qualified "J" (QS-4).

The percent recoveries of the DMC 4,6-Dinitro-2-methylphenol-d2 was less than the lower quality control limit and less than 10% for samples C143904-10 and 11. The results for 4,6-Dinitro-2-methylphenol were non-detects and qualified "UR" (QS-4) in both samples.

The laboratory identified 4-Nitrophenol in sample C143904-14 as a positive result. Upon review of the mass spectra of 4-Nitrophenol against the reference spectra, the spectra did not match and did not meet the requirements of the Statement of Work (SOW). The result for 4-Nitrophenol in sample C143904-14 was reported as a non-detect.

DMCs are used as surrogates in each sample for GC/MS analysis to monitor extraction efficiency. Samples C143904-09, 12, and 14 had elevated sample extract volumes due to their oily nature. As a result, the reporting limits for these samples are elevated.

Due to courier error, the sample cooler containing samples C143904-02, 03, 04, 05, 06, 10, 11, and 12 was delayed and not received by the laboratory until 09/02/14, and contained a temperature of 26.0°C. Samples should be received by the laboratory at a temperature of  $\leq 6.0$  °C. All compounds for these samples were qualified "J" (T-4).

Data qualification factors are explained by the Region 4 - specific qualifier definitions which are included elsewhere in this report. Further details are provided in the complete data review report, which is on file in the Region 4 SESD Records Center.

cc: Nardina Turner



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**SAMPLES INCLUDED IN THIS REPORT**

**Project: 14-0430, Cabot Carbon/Koppers**

**Contract Lab Case: 44642**

<b>Sample ID</b>	<b>Laboratory ID</b>	<b>MD#</b>	<b>D#</b>	<b>Matrix</b>	<b>Date Collected</b>
ESE002	C143904-01		91Q2	Groundwater	8/27/14 12:30
ESE004	C143904-02		91Q0	Groundwater	8/27/14 10:00
ESE007	C143904-03		91Q1	Groundwater	8/27/14 15:00
HG20D	C143904-04		91Q4	Groundwater	8/27/14 16:30
HG20S	C143904-05		91Q5	Groundwater	8/27/14 15:30
HG26D	C143904-06		91P5	Groundwater	8/26/14 16:00
HG26S	C143904-07		91P4	Groundwater	8/26/14 14:30
HG28D	C143904-08		91Q6	Groundwater	8/28/14 12:00
HG28S	C143904-09		91N9	Groundwater	8/26/14 09:30
HG29D	C143904-10		91P8	Groundwater	8/27/14 10:00
HG929D	C143904-11		91P9	Groundwater	8/27/14 10:10
HD29S	C143904-12		91Q3	Groundwater	8/27/14 12:00
HG30D	C143904-13		91Q7	Groundwater	8/28/14 10:00
HG30S	C143904-14		91P0	Groundwater	8/26/14 11:30
HG31D	C143904-15		91N8	Groundwater	8/25/14 13:30
ITW01	C143904-16		91P1	Groundwater	8/26/14 11:30
ITW02	C143904-17		91P3	Groundwater	8/26/14 11:30
ITW13	C143904-18		91Q8	Groundwater	8/28/14 10:00
ITW14	C143904-19		91Q9	Groundwater	8/28/14 11:30
WMW17E	C143904-20		91P2	Groundwater	8/26/14 15:00
WMW18E	C143904-21		91P6	Groundwater	8/26/14 16:45



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### DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CLP01	Concentration reported is less than the lowest standard on calibration curve
CLP15	TIC Results Reported as Identified by Lab - IDs Not Verified
CLP16	Initial Calibration Response Erratic
CLP17	Initial Calibration Relative Response Outside Method Control Limits
CLP32	Continuing Calibration Relative Response Outside Method Control Limits
J	The identification of the analyte is acceptable; the reported value is an estimate.
N	There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
QC-1	Analyte concentration low in continuing calibration verification standard
QI-1	Internal standard was outside of method control limits.
QS-3	Surrogate recovery is lower than established control limits.
QS-4	Surrogate recovery less than 10%
QS-5	Surrogate recovery is higher than established control limits
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
T-4	Samples received at ambient temperature.

### ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service  Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System ( <a href="http://www.epa.gov/srs">www.epa.gov/srs</a> ), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE002

Lab ID: C143904-01

MD No:

Station ID: ESE002

Matrix: Groundwater

D No: 91Q2 KAP

Date Collected: 8/27/14 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	3.0	J, CLP01	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE002

Lab ID: C143904-01

MD No:

Station ID: ESE002

Matrix: Groundwater

D No: 91Q2 KAP

Date Collected: 8/27/14 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE002

Lab ID: C143904-01

MD No:

Station ID: ESE002

Matrix: Groundwater

D No: 91Q2 KAP

Date Collected: 8/27/14 12:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	8/30/14	9/14/14	CLP SOM01.2 B





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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE004

Lab ID: C143904-02

MD No:

Station ID: ESE004

Matrix: Groundwater

D No: 91Q0 KAP

Date Collected: 8/27/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 Region 4 Science and Ecosystem Support Division  
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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE004

Lab ID: C143904-02

MD No:

Station ID: ESE004

Matrix: Groundwater

D No: 91Q0 KAP

Date Collected: 8/27/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP32, CLP17, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE004

Lab ID: C143904-02

MD No:

Station ID: ESE004

Matrix: Groundwater

D No: 91Q0 KAP

Date Collected: 8/27/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
87-68-3	Hexachlorobutadiene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

R4-6501	Unidentified Compound(s)	5	J, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE007

Lab ID: C143904-03

MD No:

Station ID: ESE007

Matrix: Groundwater

D No: 91Q1 KAP

Date Collected: 8/27/14 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	27	J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE007

Lab ID: C143904-03

MD No:

Station ID: ESE007

Matrix: Groundwater

D No: 91Q1 KAP

Date Collected: 8/27/14 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP32, CLP17, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ESE007

Lab ID: C143904-03

MD No:

Station ID: ESE007

Matrix: Groundwater

D No: 91Q1 KAP

Date Collected: 8/27/14 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
87-68-3	Hexachlorobutadiene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	2.6	J, CLP01, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

7469-77-4	1-Naphthalenol, 2-methyl-	30	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
1121-05-7	2-Cyclopenten-1-one, 2,3-dimethyl-	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
57878-30-5	5-Hydroxy-3-methyl-1-indanone	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	200	J, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG20D

Lab ID: C143904-04

MD No:

Station ID: HG20D

Matrix: Groundwater

D No: 91Q4 KAP

Date Collected: 8/27/14 16:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	53	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	6.4	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	2.5	J, CLP01, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG20D

Lab ID: C143904-04

MD No:

Station ID: HG20D

Matrix: Groundwater

D No: 91Q4 KAP

Date Collected: 8/27/14 16:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP32, CLP17, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.7	J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	3.8	J, CLP01, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B





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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG20D

Lab ID: C143904-04

MD No:

Station ID: HG20D

Matrix: Groundwater

D No: 91Q4 KAP

Date Collected: 8/27/14 16:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
87-68-3	Hexachlorobutadiene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	170	J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

1470-94-6	1H-Inden-5-ol, 2,3-dihydro-	30	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
2721-59-7	2(1H)-Quinolinone, 3-methyl-	10	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
629-94-7	Heneicosane	10	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
496-11-7	Indane	10	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
57-10-3	n-Hexadecanoic acid	20	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
R4-6500	Petroleum Product:		N, CLP15			9/02/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	40	J, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG20S

Lab ID: C143904-05

MD No:

Station ID: HG20S

Matrix: Groundwater

D No: 91Q5 KAP

Date Collected: 8/27/14 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	8.2	J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	12	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	3.0	J, CLP01, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG20S

Lab ID: C143904-05

MD No:

Station ID: HG20S

Matrix: Groundwater

D No: 91Q5 KAP

Date Collected: 8/27/14 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	2.8	J, CLP01, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP17, CLP32, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	6.4	J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	7.9	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG20S

Lab ID: C143904-05

MD No:

Station ID: HG20S

Matrix: Groundwater

D No: 91Q5 KAP

Date Collected: 8/27/14 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	43	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	12	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

6306-07-6	1-Acenaphthenol	20	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
1470-94-6	1H-Inden-5-ol, 2,3-dihydro-	20	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
7132-70-9	3-Acridinol	20	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
R4-6500	Petroleum Product:		N, CLP15			9/02/14	9/18/14	CLP SOM01.2 B
3855-26-3	Phenol, 2-ethyl-4-methyl-	20	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	70	J, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26D

Lab ID: C143904-06

MD No:

Station ID: HG26D

Matrix: Groundwater

D No: 91P5 KAP

Date Collected: 8/26/14 16:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	63	J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	4.5	J, CLP01, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	220	J, QC-1, T-4	ug/L	100	9/02/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	61	J, QS-5, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	15	J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	14	J, QS-5, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26D

Lab ID: C143904-06

MD No:

Station ID: HG26D

Matrix: Groundwater

D No: 91P5 KAP

Date Collected: 8/26/14 16:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP32, CLP17, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	24	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26D

Lab ID: C143904-06

MD No:

Station ID: HG26D

Matrix: Groundwater

D No: 91P5 KAP

Date Collected: 8/26/14 16:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
87-68-3	Hexachlorobutadiene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	2000	J, QS-5, T-4	ug/L	250	9/02/14	9/21/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	57	J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

765-70-8	1,2-Cyclopentanedione, 3-methyl-	30	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
1470-94-6	1H-Inden-5-ol, 2,3-dihydro-	100	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
767-59-9	1H-Indene, 1-methyl-	50	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
90-15-3	1-Naphthalenol	40	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
270-82-6	2-Benzothiophene	600	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
3228-02-2	3-Methyl-4-isopropylphenol	200	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
934-10-1	3-Phenylbut-1-ene	40	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
17059-52-8	Benzofuran, 7-methyl-	40	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
496-11-7	Indane	200	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
95-13-6	Indene	60	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
2416-94-6	Phenol, 2,3,6-trimethyl-	200	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
527-60-6	Phenol, 2,4,6-trimethyl-	300	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
576-26-1	Phenol, 2,6-dimethyl-	700	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
2219-78-5	Phenol, 2-ethyl-4,5-dimethyl-	40	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26D

Lab ID: C143904-06

MD No:

Station ID: HG26D

Matrix: Groundwater

D No: 91P5 KAP

Date Collected: 8/26/14 16:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
<b>Tentatively Identified Compounds:</b>								
3855-26-3	Phenol, 2-ethyl-4-methyl-	200	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
1687-64-5	Phenol, 2-ethyl-6-methyl-	600	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
499-75-2	Phenol, 2-methyl-5-(1-methylethyl)-	100	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
644-35-9	Phenol, 2-propyl-	80	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
527-54-8	Phenol, 3,4,5-trimethyl-	500	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
698-71-5	Phenol, 3-ethyl-5-methyl-	1000	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B





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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26S

Lab ID: C143904-07

MD No:

Station ID: HG26S

Matrix: Groundwater

D No: 91P4 KAP

Date Collected: 8/26/14 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	50		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	43		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	24		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	7.7		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	7.5		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	120		ug/L	50	8/30/14	9/20/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	4.2	J, CLP01	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	190		ug/L	50	8/30/14	9/20/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26S

Lab ID: C143904-07

MD No:

Station ID: HG26S

Matrix: Groundwater

D No: 91P4 KAP

Date Collected: 8/26/14 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	150		ug/L	50	8/30/14	9/20/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	80		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	80		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26S

Lab ID: C143904-07

MD No:

Station ID: HG26S

Matrix: Groundwater

D No: 91P4 KAP

Date Collected: 8/26/14 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	2000		ug/L	500	8/30/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	140		ug/L	100	8/30/14	9/20/14	CLP SOM01.2 B
85-01-8	Phenanthrene	2.2	J, CLP01	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	13		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

2235-15-6	1(2H)-Acenaphthylenone	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
931-17-9	1,2-Cyclohexanediol	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
765-70-8	1,2-Cyclopentanedione, 3-methyl-	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
86-53-3	1-Naphthalenecarbonitrile	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
90-15-3	1-Naphthalenol	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
86-77-1	2-Dibenzofuranol	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
2443-58-5	2-Hydroxyfluorene	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
526-73-8	Benzene, 1,2,3-trimethyl-	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
95-63-6	Benzene, 1,2,4-trimethyl-	30	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
108-38-3	Benzene, 1,3-dimethyl-	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
673-32-5	Benzene, 1-propynyl-	30	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
496-11-7	Indane	200	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
95-13-6	Indene	40	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
575-37-1	Naphthalene, 1,7-dimethyl-	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
581-42-0	Naphthalene, 2,6-dimethyl-	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
609-19-8	Phenol, 3,4,5-trichloro-	40	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
95-77-2	Phenol, 3,4-dichloro-	200	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG26S

Lab ID: C143904-07

MD No:

Station ID: HG26S

Matrix: Groundwater

D No: 91P4 KAP

Date Collected: 8/26/14 14:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
<b>Tentatively Identified Compounds:</b>								
591-35-5	Phenol, 3,5-dichloro-	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
92-69-3	p-Hydroxybiphenyl	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	200	J, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B



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 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG28D

Lab ID: C143904-08

MD No:

Station ID: HG28D

Matrix: Groundwater

D No: 91Q6 KAP

Date Collected: 8/28/14 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U, J, QC-1, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	880	J, QC-1, QS-3	ug/L	100	8/30/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.0	U, J, QC-1, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG28D

Lab ID: C143904-08

MD No:

Station ID: HG28D

Matrix: Groundwater

D No: 91Q6 KAP

Date Collected: 8/28/14 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B



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 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG28D

Lab ID: C143904-08

MD No:

Station ID: HG28D

Matrix: Groundwater

D No: 91Q6 KAP

Date Collected: 8/28/14 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	130		ug/L	100	8/30/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
19534-08-8	1,2-Cyclohexanediol, 1-methyl-, trans-	10	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
527-55-9	1,3-Benzenediol, 4,5-dimethyl-	30	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1470-94-6	1H-Inden-5-ol, 2,3-dihydro-	30	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
697-82-5	Phenol, 2,3,5-trimethyl-	10	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
95-87-4	Phenol, 2,5-dimethyl-	30	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
576-26-1	Phenol, 2,6-dimethyl-	10	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1687-61-2	Phenol, 2-ethyl-5-methyl-	10	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
698-71-5	Phenol, 3-ethyl-5-methyl-	20	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
34883-01-7	Phenol, 5-methoxy-2,3-dimethyl-	20	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	400	J, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG28S

Lab ID: C143904-09

MD No:

Station ID: HG28S

Matrix: Groundwater

D No: 91N9 KAP

Date Collected: 8/26/14 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	71000		ug/L	25000	8/30/14	9/21/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	13000	J, QC-1	ug/L	2500	8/30/14	9/21/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	100	U, J, QI-1, CLP16	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	100	U, J, QI-1	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	33000		ug/L	2500	8/30/14	9/21/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	100	U, J, QC-1, QI-1	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	100	U, J, QC-1, QI-1	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	100	U, J, QI-1	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	100	U, J, QI-1, CLP16	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B





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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG28S

Lab ID: C143904-09

MD No:

Station ID: HG28S

Matrix: Groundwater

D No: 91N9 KAP

Date Collected: 8/26/14 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	50	U, J, QC-1, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	50	U, R, QI-1, CLP32, CLP17	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	50	U, J, QC-1, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	50	U, J, QC-1, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	50	U, J, QC-1, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	50	U, J, QI-1, CLP16	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG28S

Lab ID: C143904-09

MD No:

Station ID: HG28S

Matrix: Groundwater

D No: 91N9 KAP

Date Collected: 8/26/14 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
206-44-0	Fluoranthene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	50	U, J, QI-1, CLP16	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	50	U, J, QC-1, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	100	U, J, QI-1, CLP16	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	110000		ug/L	25000	8/30/14	9/21/14	CLP SOM01.2 B
129-00-0	Pyrene	50	U, J, QI-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

765-70-8	1,2-Cyclopentanedione, 3-methyl-	1000	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
2503-46-0	2-Propanone, 1-(4-hydroxy-3-methoxyphenyl)-	500	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1000122-14-7	Methyl-(2-hydroxy-3-ethoxy-benzyl)ether	2000	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
2451-01-6	Terpin Hydrate	500	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	10000	J, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG29D

Lab ID: C143904-10

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P8 KAP

Date Collected: 8/27/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	49000	J, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	3900	J, CLP01, QC-1, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, QS-3, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, R, QS-4, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	6200	J, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1, QS-3, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, QI-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, QS-4, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1, QS-3, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, QI-1, QS-4, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG29D

Lab ID: C143904-10

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P8 KAP

Date Collected: 8/27/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, QS-3, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16, QS-3, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP17, CLP32, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, QC-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, QI-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG29D

Lab ID: C143904-10

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P8 KAP

Date Collected: 8/27/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
131-11-3	Dimethyl phthalate	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, QS-4, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, QI-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	300	J, QS-5, T-4	ug/L	50	9/02/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	17000	J, QS-5, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	20	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
2467-02-9	Phenol, 2,2'-methylenebis-	40	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	900	J, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B



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 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG929D

Lab ID: C143904-11

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P9 KAP

Date Collected: 8/27/14 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	53000	J, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	3600	J, CLP01, QC-1, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, QI-1, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, R, QS-4, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	6200	J, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U, J, QI-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG929D

Lab ID: C143904-11

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P9 KAP

Date Collected: 8/27/14 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-01-6	4-Nitroaniline	10	U, J, QI-1, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, QI-1, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	5.0	U, J, QC-1, QI-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, J, R, CLP32, CLP17, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, QC-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG929D

Lab ID: C143904-11

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P9 KAP

Date Collected: 8/27/14 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
132-64-9	Dibenzofuran	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, QS-3, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U, J, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U, J, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	310	J, QS-5, T-4	ug/L	50	9/02/14	9/21/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, QI-1, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1, QS-3, QI-1, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, QS-3, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16, T-4	ug/L	10	9/02/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	21000	J, QS-5, T-4	ug/L	5000	9/02/14	9/21/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U, J, T-4	ug/L	5.0	9/02/14	9/18/14	CLP SOM01.2 B

Tentatively Identified Compounds:





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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG929D

Lab ID: C143904-11

MD No:

Station ID: HG29D

Matrix: Groundwater

D No: 91P9 KAP

Date Collected: 8/27/14 10:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
<b>Tentatively Identified Compounds:</b>								
2284-30-2	1,3-Benzenediol, 4-(phenylmethyl)-	40	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
7469-77-4	1-Naphthalenol, 2-methyl-	60	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
108-39-4	Phenol,3-methyl-	500	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HD29S

Lab ID: C143904-12

MD No:

Station ID: HG29S

Matrix: Groundwater

D No: 91Q3 KAP

Date Collected: 8/27/14 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	75000	J, T-4	ug/L	25000	9/02/14	9/21/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	14000	J, QC-1, T-4	ug/L	2500	9/02/14	9/21/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	100	U, J, CLP16, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	50	U, J, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	100	U, J, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	29000	J, T-4	ug/L	2500	9/02/14	9/21/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	100	U, J, QC-1, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	100	U, J, QC-1, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	50	U, J, QC-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	100	U, J, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	100	U, J, CLP16, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B



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 Region 4 Science and Ecosystem Support Division  
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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HD29S

Lab ID: C143904-12

MD No:

Station ID: HG29S

Matrix: Groundwater

D No: 91Q3 KAP

Date Collected: 8/27/14 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
208-96-8	Acenaphthylene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
98-86-2	Acetophenone	50	U, J, QC-1, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	50	U, J, R, CLP32, CLP17, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	50	U, J, QC-1, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	50	U, J, QC-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	50	U, J, QC-1, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	50	U, J, QC-1, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	50	U, J, QC-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	50	U, J, CLP16, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HD29S

Lab ID: C143904-12

MD No:

Station ID: HG29S

Matrix: Groundwater

D No: 91Q3 KAP

Date Collected: 8/27/14 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
206-44-0	Fluoranthene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	50	U, J, CLP16, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	50	U, J, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	50	U, J, QC-1, QI-1, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	100	U, J, CLP16, T-4	ug/L	100	9/02/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	75000	J, T-4	ug/L	25000	9/02/14	9/21/14	CLP SOM01.2 B
129-00-0	Pyrene	50	U, J, T-4	ug/L	50	9/02/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

120-80-9	1,2-Benzenediol	300	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
452-86-8	1,2-Benzenediol, 4-methyl-	500	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
13184-86-6	Phenol, 4-(ethoxymethyl)-2-methoxy-	2000	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
106-44-5	Phenol, 4-methyl-	400	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B
80-53-5	Unidentified Compound(s)	10000	NJ, CLP15	ug/L		9/02/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG30D

Lab ID: C143904-13

MD No:

Station ID: HG30D

Matrix: Groundwater

D No: 91Q7 KAP

Date Collected: 8/28/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	7.7		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	1000	J, QC-1, QS-5	ug/L	250	8/30/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	73		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	14	J, QC-1, QS-5	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, QS-4	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, QS-4	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	20		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG30D

Lab ID: C143904-13

MD No:

Station ID: HG30D

Matrix: Groundwater

D No: 91Q7 KAP

Date Collected: 8/28/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	33		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, QS-4, CLP16	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG30D

Lab ID: C143904-13

MD No:

Station ID: HG30D

Matrix: Groundwater

D No: 91Q7 KAP

Date Collected: 8/28/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	2000		ug/L	250	8/30/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

2284-30-2	1,3-Benzenediol, 4-(phenylmethyl)-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
7469-77-4	1-Naphthalenol, 2-methyl-	60	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
2416-94-6	Phenol, 2,3,6-trimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
526-75-0	Phenol, 2,3-dimethyl-	60	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
527-60-6	Phenol, 2,4,6-trimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
576-26-1	Phenol, 2,6-dimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
3855-26-3	Phenol, 2-ethyl-4-methyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
698-71-5	Phenol, 3-ethyl-5-methyl-	70	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG30S

Lab ID: C143904-14

MD No:

Station ID: HG30S

Matrix: Groundwater

D No: 91P0 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	30000		ug/L	2500	8/30/14	9/20/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	3100	J, QC-1	ug/L	2500	8/30/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	100	U, J, CLP16	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	100	U	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	7400		ug/L	2500	8/30/14	9/20/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	100	U, J, QC-1	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	100	U, J, QC-1	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	100	U	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	100	U, J, CLP16	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B





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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG30S

Lab ID: C143904-14

MD No:

Station ID: HG30S

Matrix: Groundwater

D No: 91P0 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	340	J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	50	U, R, CLP32, CLP17	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	50	U, J, CLP16	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	50	U, J, CLP16	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG30S

Lab ID: C143904-14

MD No:

Station ID: HG30S

Matrix: Groundwater

D No: 91P0 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	24	J, CLP01	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	50	U, J, QC-1	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	100	U, J, CLP16	ug/L	100	8/30/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	27000		ug/L	2500	8/30/14	9/20/14	CLP SOM01.2 B
129-00-0	Pyrene	50	U	ug/L	50	8/30/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

120-80-9	1,2-Benzenediol	3000	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
488-17-5	1,2-Benzenediol, 3-methyl-	2000	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
452-86-8	1,2-Benzenediol, 4-methyl-	2000	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
527-55-9	1,3-Benzenediol, 4,5-dimethyl-	500	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1000098-14-8	1,4:3,6-Dianhydro-.alpha.-d-glucopyranose	600	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
95-71-6	1,4-Benzenediol, 2-methyl-	300	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
80-71-7	2-Cyclopenten-1-one, 2-hydroxy-3-methyl-	1000	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
21835-01-8	2-Cyclopenten-1-one, 3-ethyl-2-hydroxy-	300	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1515-95-3	Benzene, 1-ethyl-4-methoxy-	200	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1192-62-7	Ethanone, 1-(2-furanyl)-	300	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
526-75-0	Phenol, 2,3-dimethyl-	200	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
90-05-1	Phenol, 2-methoxy-	400	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
95-48-7	Phenol, 2-methyl-	300	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
621-27-2	Phenol, 3-propyl-	300	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	8000	J, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG31D

Lab ID: C143904-15

MD No:

Station ID: HG31D

Matrix: Groundwater

D No: 91N8 KAP

Date Collected: 8/25/14 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	3100		ug/L	1000	8/30/14	9/20/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	1500	J, QC-1	ug/L	1000	8/30/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	350		ug/L	100	8/30/14	9/20/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG31D

Lab ID: C143904-15

MD No:

Station ID: HG31D

Matrix: Groundwater

D No: 91N8 KAP

Date Collected: 8/25/14 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	6.7	J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B



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 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: HG31D

Lab ID: C143904-15

MD No:

Station ID: HG31D

Matrix: Groundwater

D No: 91N8 KAP

Date Collected: 8/25/14 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-20-3	Naphthalene	35		ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
108-95-2	Phenol	980		ug/L	100	8/30/14	9/20/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

1195-79-5	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimethyl-	60	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
496-78-6	Phenol, 2,4,5-trimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
576-26-1	Phenol, 2,6-dimethyl-	90	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
1687-61-2	Phenol, 2-ethyl-5-methyl-	100	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
1687-64-5	Phenol, 2-ethyl-6-methyl-	200	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
527-54-8	Phenol, 3,4,5-trimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
95-65-8	Phenol, 3,4-dimethyl-	70	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
108-68-9	Phenol, 3,5-dimethyl-	400	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
698-71-5	Phenol, 3-ethyl-5-methyl-	80	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW01

Lab ID: C143904-16

MD No:

Station ID: ITW01

Matrix: Groundwater

D No: 91P1 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	21		ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	2.7	J, CLP01, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, R, CLP17	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	9.3		ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW01

Lab ID: C143904-16

MD No:

Station ID: ITW01

Matrix: Groundwater

D No: 91P1 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW01

Lab ID: C143904-16

MD No:

Station ID: ITW01

Matrix: Groundwater

D No: 91P1 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-20-3	Naphthalene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
108-95-2	Phenol	39		ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

80-71-7	2-Cyclopenten-1-one, 2-hydroxy-3-methyl-	40	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	20	J, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B





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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW02

Lab ID: C143904-17

MD No:

Station ID: ITW02

Matrix: Groundwater

D No: 91P3 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	16		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	2.2	J, CLP01	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.5		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW02

Lab ID: C143904-17

MD No:

Station ID: ITW02

Matrix: Groundwater

D No: 91P3 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW02

Lab ID: C143904-17

MD No:

Station ID: ITW02

Matrix: Groundwater

D No: 91P3 KAP

Date Collected: 8/26/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	25		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
80-71-7	2-Cyclopenten-1-one, 2-hydroxy-3-methyl-	20	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	6	J, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW13

Lab ID: C143904-18

MD No:

Station ID: ITW13

Matrix: Groundwater

D No: 91Q8 KAP

Date Collected: 8/28/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	6500		ug/L	2500	8/30/14	9/21/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	2200	J, QC-1	ug/L	250	8/30/14	9/21/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.7		ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	1900		ug/L	250	8/30/14	9/21/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, QS-4	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, QS-4	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW13

Lab ID: C143904-18

MD No:

Station ID: ITW13

Matrix: Groundwater

D No: 91Q8 KAP

Date Collected: 8/28/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1, QS-3	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW13

Lab ID: C143904-18

MD No:

Station ID: ITW13

Matrix: Groundwater

D No: 91Q8 KAP

Date Collected: 8/28/14 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, QS-4, CLP16	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
91-20-3	Naphthalene	47		ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/20/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B
108-95-2	Phenol	3300	J, QS-3	ug/L	250	8/30/14	9/21/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/20/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

1121-05-7	2-Cyclopenten-1-one, 2,3-dimethyl-	30	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
80-71-7	2-Cyclopenten-1-one, 2-hydroxy-3-methyl-	30	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
57-10-3	n-Hexadecanoic acid	40	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
297-97-2	Thionazin	40	NJ, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/L		8/30/14	9/20/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW14

Lab ID: C143904-19

MD No:

Station ID: ITW14

Matrix: Groundwater

D No: 91Q9 KAP

Date Collected: 8/28/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	200		ug/L	50	8/30/14	9/20/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	440	J, QC-1	ug/L	50	8/30/14	9/20/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U, J, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U, J, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	29		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	290		ug/L	50	8/30/14	9/20/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U, J, QS-4	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U, J, QC-1	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U, J, QC-1, QS-4	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
83-32-9	Acenaphthene	13		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	15		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW14

Lab ID: C143904-19

MD No:

Station ID: ITW14

Matrix: Groundwater

D No: 91Q9 KAP

Date Collected: 8/28/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U, J, QC-1, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U, J, QC-1	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
86-73-7	Fluorene	3.5	J, CLP01, QS-5	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B





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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: ITW14

Lab ID: C143904-19

MD No:

Station ID: ITW14

Matrix: Groundwater

D No: 91Q9 KAP

Date Collected: 8/28/14 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, QS-4, CLP16	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
67-72-1	Hexachloroethane	5.0	U, J, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
91-20-3	Naphthalene	58		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U, J, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U, J, QC-1, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U, J, QS-3	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/18/14	CLP SOM01.2 B
85-01-8	Phenanthrene	7.2		ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/18/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

464-49-3	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1R)	500	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
527-35-5	Phenol, 2,3,5,6-tetramethyl-	50	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
697-82-5	Phenol, 2,3,5-trimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
526-75-0	Phenol, 2,3-dimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
527-60-6	Phenol, 2,4,6-trimethyl-	80	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
576-26-1	Phenol, 2,6-dimethyl-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
1687-64-5	Phenol, 2-ethyl-6-methyl-	80	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
499-75-2	Phenol, 2-methyl-5-(1-methylethyl)-	60	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
33675-75-1	Phenol, 3-(2-phenylethyl)-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
99-71-8	Phenol, 4-(1-methylpropyl)-	40	NJ, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/L		8/30/14	9/18/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: WMW17E

Lab ID: C143904-20

MD No:

Station ID: WMW17E

Matrix: Groundwater

D No: 91P2 KAP

Date Collected: 8/26/14 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	27		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	38		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	9.4		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: WMW17E

Lab ID: C143904-20

MD No:

Station ID: WMW17E

Matrix: Groundwater

D No: 91P2 KAP

Date Collected: 8/26/14 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP17, CLP32	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: WMW17E

Lab ID: C143904-20

MD No:

Station ID: WMW17E

Matrix: Groundwater

D No: 91P2 KAP

Date Collected: 8/26/14 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	2.6	J, CLP01	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	40		ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B

**Tentatively Identified Compounds:**

765-70-8	1,2-Cyclopentanedione, 3-methyl-	40	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
1687-61-2	Phenol, 2-ethyl-5-methyl-	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
698-71-5	Phenol, 3-ethyl-5-methyl-	10	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	10	J, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: WMW18E

Lab ID: C143904-21

MD No:

Station ID: WMW18E

Matrix: Groundwater

D No: 91P6 KAP

Date Collected: 8/26/14 16:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	2.5	J, CLP01	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
95-48-7	2-Methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
88-74-4	2-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
99-09-2	3-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-01-6	4-Nitroaniline	10	U	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
100-02-7	4-Nitrophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
83-32-9	Acenaphthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
208-96-8	Acenaphthylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 14-0429  
 Project: 14-0430, Cabot Carbon/Koppers - Reported by Jeffrey Hendel

### Semi Volatile Organics

Project: 14-0430, Cabot Carbon/Koppers

Contract Lab Case: 44642

Sample ID: WMW18E

Lab ID: C143904-21

MD No:

Station ID: WMW18E

Matrix: Groundwater

D No: 91P6 KAP

Date Collected: 8/26/14 16:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
120-12-7	Anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
1912-24-9	Atrazine	5.0	U, R, CLP32, CLP17	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
100-52-7	Benzaldehyde	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
105-60-2	Caprolactam	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-74-8	Carbazole	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
218-01-9	Chrysene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
132-64-9	Dibenzofuran	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
206-44-0	Fluoranthene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
86-73-7	Fluorene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5.0	U, J, CLP16	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B



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### Semi Volatile Organics

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Contract Lab Case: 44642

Sample ID: WMW18E

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Matrix: Groundwater

D No: 91P6 KAP

Date Collected: 8/26/14 16:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
78-59-1	Isophorone	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
91-20-3	Naphthalene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
98-95-3	Nitrobenzene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
87-86-5	Pentachlorophenol	10	U, J, CLP16	ug/L	10	8/30/14	9/14/14	CLP SOM01.2 B
85-01-8	Phenanthrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
108-95-2	Phenol	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
129-00-0	Pyrene	5.0	U	ug/L	5.0	8/30/14	9/14/14	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
57-10-3	n-Hexadecanoic acid	9	NJ, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	8	J, CLP15	ug/L		8/30/14	9/14/14	CLP SOM01.2 B