Water Supply Well Sampling Report
BUNN DUMP
NONCD0000312
Bunn, Franklin County, North Carolina

State Contract N11001S
Task Order No. 312WS
MM&A Project Number NCUL214P7

Prepared for:
North Carolina Department of Environment and Natural Resources
Division of Waste Management - Superfund Section
Inactive Hazardous Sites Branch
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1.0 INTRODUCTION

This report was prepared by Marshall Miller & Associates, Inc. (MM&A) on behalf of the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management, Superfund Section, Inactive Hazardous Sites Branch, Pre-Regulatory Landfill Unit (the Unit) to summarize the results of water supply well sampling in the vicinity of an old unlined landfill site identified as Bunn Dump (NONCD0000312), hereinafter referred to as the "Site." This task order involved sampling of water supply wells in proximity to the Site. The locations of the Site and water supply wells are depicted on a *Property/Sampling Location Map* included as **Figure 1.**

1.1 SCOPE OF WORK

MM&A's scope of work for the water supply well sampling activities included the performance of a site visit to sample the wells, contracting with a certified laboratory for analyses of samples, and tabulation and reporting of the results. The tasks performed to complete the scope of work are discussed in detail in the following sections of this report.

2.0 SAMPLING ACTIVITIES

MM&A conducted field activities on June 11 and 12, 2013. Permission to sample wells was received from the owners of 18 wells; however, the field team was unable to sample 6 of these wells. The details are below:

- The owner of Well 3 reported that he is currently in the process of upgrading the kitchen and had the water shut off to the trailer home while completing the repairs. This well was not sampled as there is no spigot at the wellhead.
- Although the owner of Wells 15 and 19 afforded permission to sample, neither well could be located. There were cars in the driveway when the field team knocked on the door at the home, but no one answered. The well could not be readily located, there appeared to be an electric fence around the side yard of the home, and no outside spigots were observed on the home. The Unit also tried to contact the owner by telephone while the field team was nearby, but there was no response. These wells were not sampled.

- The owner of Well 16 reported that the property previously reported to utilize Well 20 actually shares Well 16. Well 20 does not exist.
- The owner of Well 10 reported that this was the only well on his property. Well 21 does not exist.
- The owner of Well 27 reported that the water is "undrinkable" and he had laid pipe from another well he owns on adjoining property to supply water to the home. He preferred that the field team not run the well for field purging, so no samples were collected at this time.

2.1 WATER SUPPLY WELL SAMPLING PROTOCOL

Twelve water supply wells were sampled during the site visit in accordance with the *Standard Operating Procedures and Quality Assurance Manual* dated January 10, 2011, and prepared for this contract. The locations of the wells were recorded with a Trimble GeoXT 3000 handheld global positioning system unit, and this data were used to indicate the locations of the wells on **Figure 1**. Listings of the property ownership and locations of the wells are provided in **Table 1**.

Prior to sampling, the wells were purged by attaching a length of hose to a spigot located directly on the well head. During purging, field measurements were obtained using a Myron Ultrameter II and HACH 2100Q Turbidity Meter. Both instruments were calibrated in accordance with manufacturer's specifications by Pine Environmental Services, Inc. prior to mobilizing to the field. Prior to each day's sampling activities, MM&A personnel also field-calibrated the units. Copies of calibration details are included in **Appendix A.**

Field parameters included pH, temperature, specific conductivity, and turbidity, which were recorded at 5-minute intervals. Once pH readings remained constant within ±0.1 Standard Units (SU), temperature readings remained constant within ±1.0°C, specific conductivity varied no more than 10 percent, and turbidity had either stabilized or was below 10 Nephelometric Turbidity Units (NTUs) for three consecutive readings, the wells were determined to have been adequately purged. If the parameters could not be stabilized to the above standards, the well was purged for at least 20 minutes and details of the out-of-range

parameters were noted. Copies of the *Sampling Logs* are included as **Appendix B**. **Table 2** summarizes the field data collected during sampling.

After the purging process was completed, the hose was disconnected, and the samples were obtained by directly filling the laboratory-prepared sample containers from the spigot. The containers were chilled on ice pending later courier delivery to the laboratory for analysis. Strict chain-of-custody and sample preservation protocols were observed for shipping and delivering the sample. One field duplicate was collected during each day's sampling. As such, two field duplicate samples were collected.

3.0 ANALYTICAL REPORTING

Environmental Conservation Laboratories (ENCO) (NC DENR State Program Certification No. 591) was contracted by MM&A to complete the laboratory analysis of the well samples. All samples were received within the acceptable temperature range and were prepared and analyzed by the laboratory in accordance with the USEPA methods and procedures.

3.1 ANALYTICAL METHODS

The samples were submitted to ENCO for the following analysis:

- Volatile organic compounds (VOCs) by EPA Method 8260B
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270D
- Fifteen metals (antimony, arsenic, beryllium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, and zinc) by EPA Methods 6020A and 7470A
- Ammonia by EPA Method 350.1
- Nitrate by EPA Method 353.2
- Sulfate by EPA Method 300.0

Laboratory-supplied trip blank samples were kept in the cooler with the VOC samples and submitted each day for analysis.

3.2 ANALYTICAL RESULTS

The analytical results for the June 2013 sampling event were compared to North Carolina's *Administrative Code Title 15A, Subchapter 2L: Classifications and Water Quality Standards Applicable to The Groundwaters of North Carolina* (2L), revised in January 2010, for each constituent. If no 2L standard exists, the results were compared to USEPA's *National Primary Drinking Water Standards-Maximum Contaminant Level* (MCL) or Secondary (2nd) MCL, if primary levels do not exist. The results are summarized below:

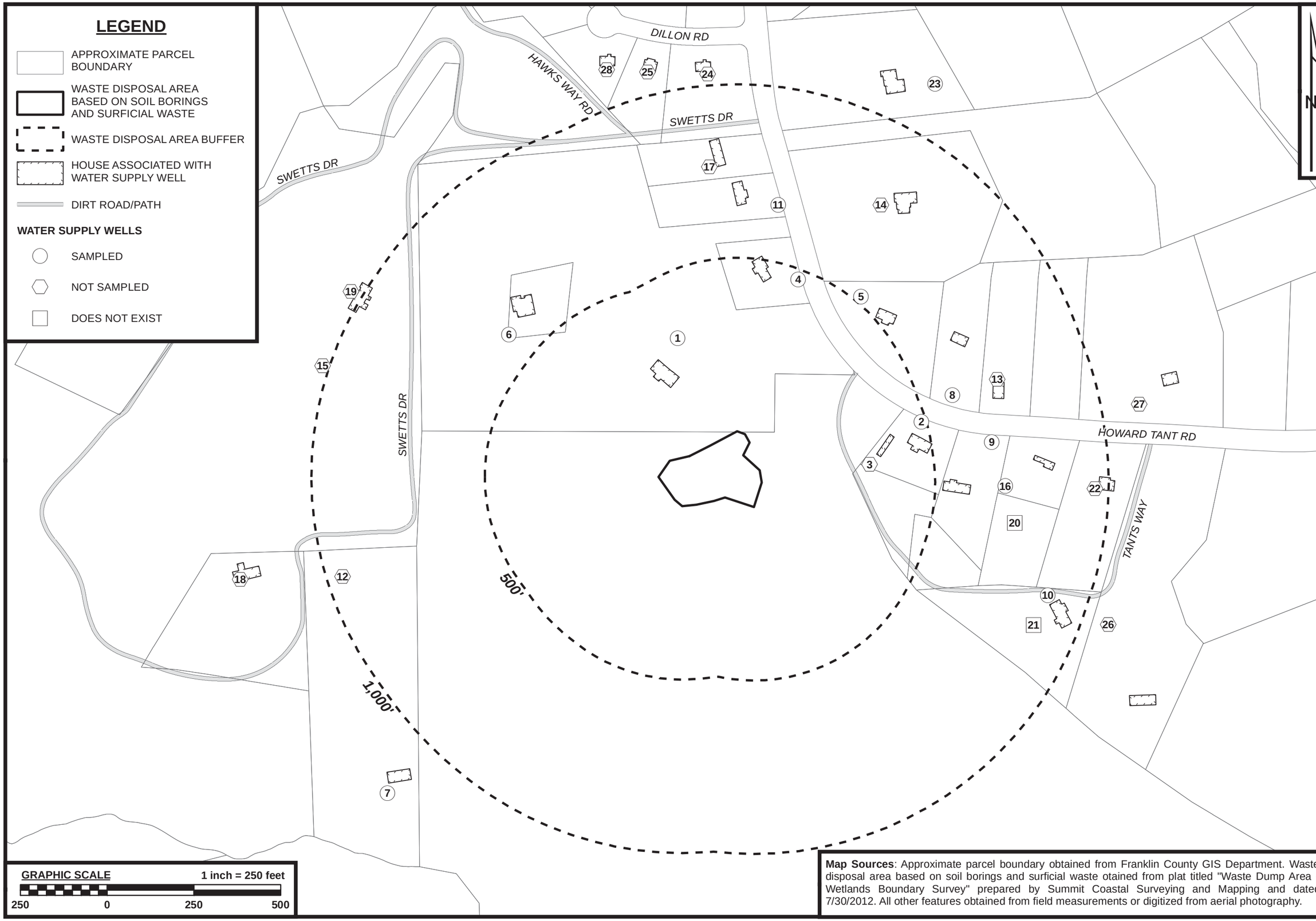
- No VOCs or SVOCs were detected at concentrations above the respective 2L or MCL standards.
- Iron was detected above the 2L and MCL standards in Wells 4 and 7. Zinc was detected above the 2L standard in Well 6.
    - None of the remaining 10 detected metals were reported at concentrations above the respective 2L or MCL standard for each constituent.
- Ammonia was detected in DUP-061213 (collected from Well 8); however, there is no MCL or 2L standard for this constituent.
- Nitrate and sulfate were not detected in any wells at concentrations above the respective 2L or MCL standards.
- A field duplicate sample (DUP-061113) was collected from Well 16 on June 11. The relative percent differences (RPDs) for reportable detections of copper, iron, and zinc (81.9%, 97.3%, and37.8%, respectively) between the primary sample Well 16 and its field duplicate sample were greater than the USEPA's established criteria of 35%.
    - Manganese was detected in primary sample Well 16 but not in its field duplicate sample.
- A field duplicate sample (DUP-061213) was collected from Well 8 on June 12. The RPD for the reportable detection of lead (50.8%) between the primary sample Well 8 and its field duplicate sample was greater than the USEPA's established criteria of 35%.
    - Nickel was detected in primary sample Well 8 but not in its field duplicate sample. Ammonia was detected in field duplicate DUP-061113 but not in the primary sample Well 8.

The analytical results are summarized in **Table 3**. The complete laboratory report for the June 2013 sampling event is contained in **Appendix C.**

4.0 REPORT CERTIFICATION

The report certification as specified in the *Inactive Hazardous Sites Program, Guidelines for Addressing Pre-Regulatory Landfills & Dumps, August 2012* is provided in **Appendix D**.

FIGURE



Map Sources: Approximate parcel boundary obtained from Franklin County GIS Department. Waste disposal area based on soil borings and surficial waste otained from plat titled "Waste Dump Area - Wetlands Boundary Survey" prepared by Summit Coastal Surveying and Mapping and dated 7/30/2012. All other features obtained from field measurements or digitized from aerial photography.

Marshall Miller & Associates, Inc.
Geology, Environmental Sciences & Engineering, Geophysics

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Prepared By:

FILE NO.: NCUL214P7 Fig 1 - Property_Sampling Location Map.mxd

DESIGNED:	EMC
DRAWN:	EMC
CHECKED:	AER
DATE:	7/8/2013
SCALE:	1" = 250'
PROJECT NO.:	NCUL214P7

WATER SUPPLY WELL SAMPLING
BUNN DUMP
NONCD000312
FRANKLIN COUNTY, NC

PROPERTY/SAMPLING LOCATION MAP

FIGURE
1

TABLES

Table 1
Property/Ownership Data
Bunn Dump • NONCD0000312
Franklin County, NC

Well No.	Well Location	Property Owner/Address	PIN	Parcel ID	Distance from Site (Feet)	Direction	State Plane (Meters)		Decimal Degrees		Permission	Sampled	Notes
1	552 Howard Tant Rd	Wells, Byron R & Mary Ellen P O Box 429 Bunn, NC 27508	2729-44-4768	000663	318	N	242263.505	678106.244	35.93151	-78.24082	2/27/13 by mail	Yes	-
2	598 Howard Tant Rd	Wilson, Melissa A & Anthony 598 Howard Tant Rd Zebulon, NC 27597	2729-54-4429	026985	486	E	242190.097	678320.485	35.93083	-78.23845	5/1/13 by mail	Yes	Owner reported he has installed a whole-house filtration system. The only unfiltered spigot is at the wellhead.
3	124 Tants Way	Wilson, Anthony L & Melissa A 598 Howard Tant Rd Zebulon, NC 27597	2729-54-3393	028626	315	E	242152.733	678274.938	35.93050	-78.23896	5/1/13 by mail	No	Owner reported that he temporarily had the water shut off to the trailer home while he was doing kitchen repairs. There was no way to sample as there is no spigot at the wellhead.
4	544 Howard Tant Rd	Ray, Michael Curt Young, Terry R & Watt, Sharon F 544 Howard Tant Rd Zebulon, NC 27597	2729-45-9083	002479	472	N	242315.356	678212.329	35.93197	-78.23964	2/22/13 by mail	Yes	-
5	567 Howard Tant Rd	The Betty B Ray Living Trust c/o Betty B & George M Ray 8011 NC 39 Hwy Zebulon, NC 27597	2729-54-3878	001843	519	NE	242300.245	678267.490	35.93183	-78.23903	2/26/13 by mail	Yes	Renter reported that the water is not used for drinking after receiving bad sample results, but is used for other household purposes.
6	554 Howard Tant Rd	Wells, Richard Brandon PO Box 50 Bunn, NC 27508	2729-44-3953	037222	589	NW	242266.813	677958.227	35.93155	-78.24246	3/1/13 by mail	Yes	-
7	227 Swetts Dr	Newland, Lloyd Dean 227 Swetts Dr Zebulon, NC 27597	2729-33-8940	001330	1183	SW	241863.910	677851.470	35.92793	-78.24368	2/27/13 by mail	Yes	Owner has an elaborate filtration system installed in the crawl space under the house. Sample was collected pre-filter.
8	595 Howard Tant Rd	Hager, Edwin W & Super, Sandra 595 Howard Tant Rd Zebulon, NC 27597	2729-54-5873	001091	596	E	242213.791	678347.716	35.93105	-78.23815	2/28/13 by mail	Yes	-
9	614 Howard Tant Rd	Wiggins, William T & Margaritta 614 Howard Tant Rd Zebulon, NC 27597	2729-54-5377	026984	673	E	242172.418	678382.173	35.93067	-78.23777	2/24/13 by mail	Yes	Owner reported that she has installed a pricey filtration system recently.
10	77 Tants Way and 51 Tants Way	Alston, Larry & Smith, Christine 77 Tant Way Zebulon, NC 27597	2729-54-7050	000120	884	SE	242037.928	678431.516	35.92945	-78.23723	3/22/13 by mail	Yes	Elaborate filtration system installed in the well house. Owner confirmed that sampling location bypassed system.
11	516 Howard Tant Rd	Crudup, Johnny & Ann 516 Howard Tant Rd Zebulon, NC 27597	2729-45-8262	029128	663	N	242380.684	678194.683	35.93256	-78.23983	2/25/13 by mail	Yes	-
12	205 Swetts Dr	Jeffreys, Judy M 205 Swetts Dr Zebulon, NC 27597	2729-33-8940	1330	954	W	242054.267	677812.205	35.92964	-78.24410	Not Received	No	-
13	601 Howard Tant Rd	Bolden, Gregory 601 Howard Tant Rd Zebulon, NC 27597	2729-54-7811	243	732	E	242227.314	678386.972	35.93116	-78.23771	Not Received	No	-

Table 1
Property/Ownership Data
Bunn Dump • NONCD0000312
Franklin County, NC

Well No.	Well Location	Property Owner/Address	PIN	Parcel ID	Distance from Site (Feet)	Direction	State Plane (Meters)		Decimal Degrees		Permission	Sampled	Notes
14	519 Howard Tant Rd	Dunston, Victor W & Carla 519 Howard Tant Rd Zebulon, NC 27597	2729-55-3274	1461	768	NE	242380.612	678284.979	35.93255	-78.23883	Not Received	No	-
15	136 Swetts Dr	Swett, Frank M P O Box 416 Bunn, NC 27508	2729-34-2316	002176	1019	W	242239.400	677794.585	35.93131	-78.24428	yes by mail 3/13/13	No	Well could not be located. No outside spigots observed.
16	604 Howard Tant Rd	Tant, Yolanda 604 Howard Tant Rd Zebulon, NC 27597	2729-54-7233	037833	702	E	242133.676	678394.201	35.93032	-78.23764	by phone 3/12/13	Yes	-
17	512 Howard Tant Rd	Haislip, Donald & Felicia P O Box 121 Bunn, NC 27508	2729-45-8334	1451	766	N	242414.092	678134.308	35.93287	-78.24050	Not Received	No	
18	234 Swetts Dr	Bartz, David B & Joyce 234 Swetts Dr Zebulon, NC 27597	2729-34-4090	24003	1240	W	242051.527	677722.287	35.92963	-78.24509	Not Received	No	
19	136 Swetts Dr	Swett, Frank M 136 Swetts Dr Bunn, NC 27508	2729-34-2316	002176	1035	W	242304.652	677819.528	35.93190	-78.24399	yes by mail 3/13/13	No	Well could not be located. No outside spigots observed.
20	606 Howard Tant Rd	Tant, Yolanda 604 Howard Tant Rd Zebulon, NC 27597	2729-54-7483	02588	Does not exist						by phone 3/12/13	N/A	Owner reported that this property (currently vacant) shares Well No. 16.
21	77 Tants Way	Alston, Larry & Smith, Christine 77 Tant Way Zebulon, NC 27597	2729-54-7050	120	Does not exist						3/22/13 by mail	N/A	Mr. Alston reported only one well on his property (Well 10).
22	20 Tants Way	Longo, Eric & Melissa 20 Tants Way Zebulon, NC 27597	2729-54-9333	2566	956	E	2225957.000	794392.800	35.93029	-78.23677	Not Received	No	-
23	489 Howard Tant Rd	Brantley, Cory J & Paula M 33 Pine Ridge Rd Zebulon, NC 27597	2729-55-2589	031349	1149	NE	242486.932	678332.435	35.93351	-78.23829	by mail 2/27/13	Yes	-
24	15 Dillon Rd	Smith, Tony L & Kathryne K 124 Lake Royale Louisburg, NC 27549	2729-45-8543	31494	1033	N	242495.612	678132.817	35.93360	-78.24051	Not Received	No	-
25	25 Dillon Rd	Arrington, Felecia N 25 Dillon Rd Zebulon, NC 27597	2729-45-6543	31495	1067	N	242497.431	678079.905	35.93362	-78.24109	Not Received	No	-
26	39 Tants Way	Ingino, Kelly 39 Tant's Way Zebulon, NC 27597	2729-63-0787	26983	1075	E	242012.107	678484.506	35.92922	-78.23665	Not Received	No	-
27	655 Howard Tant Rd	Botts, C Dewey & Dorothy R 655 Howard Tant Rd Zebulon, NC 27597	2729-64-1800	001528	1110	E	242205.591	678511.863	35.93096	-78.23633	by mail 2/25/13	No	Owner reported that the water was "undrinkable" so he laid pipe from another well on an adjoining property to feed water to this house. He preferred that we did not sample well.

Table 2
Field Parameters
Bunn Dump • NONCD0000312
Franklin County, NC

Well ID	Date	Time	Turbidity (ntu)	Temperature (^oC)	Conductivity (µS/cm)	pH
1	6/11/2013	11:56	10.50	25.3	64.73	6.31
		12:01	1.68	21.1	62.72	6.12
		12:06	0.99	20.1	61.77	6.05
		12:11	0.56	20.4	61.72	6.06
2	6/12/2013	09:32	1.27	23.4	82.19*	6.36
		09:38	0.65	19.6	53.97	5.94
		09:43	1.19	18.8	53.22	5.93
		09:48	0.87	18.9	52.22	5.89
		09:53	0.64	18.7	52.45	5.93
4	6/11/2013	13:22	31.4	24.9	90.65	6.05
		13:27	23.2	21.0	89.50	6.11
		13:32	11.0	20.3	89.01	6.01
		13:37	16.1	20.1	88.90	6.00
5	6/11/2013	14:40	16.1	23.3	61.93	5.48
		14:45	0.49	20.5	58.06	5.37
		14:50	0.38	19.2	57.86	5.35
		14:55	0.33	19.3	57.94	5.32
		15:00	0.47	19.0	58.02	5.30
6	6/11/2013	11:23	2.65	19.9	116.9	6.65
		11:28	1.39	18.9	119.6	6.66
		11:33	0.77	17.8	115.2	6.66
		11:38	0.60	19.3	114.5	6.63
		11:43	0.58	18.0	115.8	6.60
7	6/12/2013	14:21	63.3	21.2	106.5	6.21
		14:26	38.7	19.9	107.9	6.16
		14:31	36.0	18.6	107.7	6.19
		14:36	34.5	19.3	107.3	6.23
		14:41	33.4	19.3	107.5	6.19
8	6/12/2013	10:10	1.49	21.2	70.20	6.11
		10:15	0.87	18.7	69.93	6.12
		10:20	0.68	19.3	69.92	6.07
		10:25	0.68	18.9	69.92	6.06
9	6/11/2013	10:26	2.57	25.3	69.62	6.14
		10:31	7.86	21.0	67.62	6.07
		10:36	7.86	20.4	74.56	6.07
		10:41	3.09	19.6	68.70	6.09
		10:46	2.69	19.9	67.80	6.06
10	6/12/2013	13:19	1.24	21.1	66.23*	5.95
		13:24	7.59	19.8	66.87	5.90
		13:29	3.00	19.0	69.28	5.89
		13:34	1.22	19.2	69.69	5.89
		13:39	1.16	18.3	69.93	5.91

Table 2
Field Parameters
Bunn Dump • NONCD0000312
Franklin County, NC

Well ID	Date	Time	Turbidity (ntu)	Temperature (^{o}C)	Conductivity (µS/cm)	pH
11	6/12/2013	11:42	30.0	25.8	77.41	6.36
		11:47	9.36	33.7	76.77	6.36
		11:52	2.83	30.8	73.95	6.31
		11:57	1.88	28.4	72.84	6.36
		12:02	2.39	37.4	72.65	6.28
16	6/11/2013	09:33	0.52	20.4	130.9	5.82
		09:38	1.96	21.8	104.3	5.79
		09:43	2.07	20.1	104.9	5.72
		09:48	1.10	20.4	109.7	5.71
23	6/12/2013	11:05	1.44	23.1	99.98	6.43
		11:10	0.99	20.7	98.08	6.33
		11:15	5.62	20.5	97.98	6.36
		11:20	0.96	20.5	98.09	6.31
		11:25	1.04	19.9	98.47	6.35

Note:

Field parameters measured utilizing a Myron Ultrameter II and HACH 2100Q Turbidity Meter.

*Stable readings could not be achieved.

ntu = Nephelometric Turbidity Units

°C = degrees Celcius

µS/cm = microSiemens per centimeter

Table 3
Summary of Analytical Laboratory Results
Water Supply Wells
Bunn Dump • NONCD0000312
Franklin County, NC

Sample ID	Water Quality Standards		Well 1	Well 2	Well 4	Well 5	Well 6	Well 7	Well 8	DUP-061213 (Well 8 dup)	Well 9	Well 10	Well 11	Well 16	DUP-061113 (Well 16 dup)	Well 23	Trip Blank	
Lab Report Number			C306469	C307156	C306469	C306469	C306469	C307156	C307156	C307156	C306469	C307156	C307156	C306469	C306469	C307156	C306469	C307156
Sample Date	2L[1]	MCL[2]	6/11/2013	6/12/2013	6/11/2013	6/11/2013	6/11/2013	6/12/2013	6/12/2013	6/12/2013	6/11/2013	6/12/2013	6/12/2013	6/11/2013	6/11/2013	6/12/2013	6/11/2013	6/12/2013
Volatile Organic Compounds by EPA Methods 8260B (µg/L)																		
Chloroform	70	NES	ND	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds by EPA Methods 8270D (µg/L)																		
Bis(2-ethylhexyl)phthalate	3	6	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Metals by EPA Methods 6020A (µg/L)																		
Antimony	NES	6	0.835 J	ND	0.288 J	ND	ND	ND	ND	ND	0.222 J	ND	ND	ND	ND	ND	NA	NA
Beryllium	NES	4	1.38 JD	0.711 JD	0.896 JD	ND	ND	ND	0.546 JD	0.560 JD	ND	0.904 JD	ND	1.27 JD	1.23 JD	ND	NA	NA
Cadmium	2	5	0.215 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Chromium	10	100	0.568 J	ND	ND	ND	ND	0.643 J	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Copper	1000	1300	1.96	5.20	38.2	34.0	4.02	9.98	3.22	7.69	18.3	3.59	10.4	7.82	6.04	11.9	NA	NA
Iron	300	300	ND	ND	**1280 D**	ND	85.4	**1740 D**	ND	ND	115	150	ND	ND	ND	ND	NA	NA
Lead	15	15	1.40	2.27	2.26	2.26	0.881 J	2.94	0.180 J	0.522 J	0.402 J	0.326 J	0.316 J	0.975 J	0.580 J	0.804 J	NA	NA
Manganese	50	50	0.516 J	0.604 J	15.6	14.6	25.4	17.6	0.649 J	ND	2.44	1.59	0.735 J	1.07	0.998 J	0.567 J	NA	NA
Nickel	100	NES	0.960 J	3.31	0.350 J	0.146 J	0.195 J	0.374 J	ND	ND	0.200 J	0.161 J	0.677 J	0.119 J	ND	0.132 J	NA	NA
Silver	20	100	1.03	ND	0.405 J	0.251 J	0.107 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Thallium	NES	2	0.603 J	ND	0.189 J	0.290 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Zinc	1000	5000-2nd	11.6	12.0	227	26.1	**1150 D**	45.4	10.5	15.4	43.4	4.22 J	413	5.90	5.53	26.1	NA	NA
Ammonia, Nitrate, Sulfate by EPA Methods 300.0, 350.1 and 353.2 (mg/L)																		
Ammonia as N	NES	NES	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.070 J**	ND	NA	NA
Nitrate as N	10	10	0.60	1.2	3.1	4.0	ND	0.24	2.2	2.1	0.46	0.90	0.14	4.5	4.5	1.1	NA	NA
Sulfate as SO4	250	250-2nd	2.1 J	2.1 J	2.0 J	2.0 J	2.2 J	2.2 J	2.1 J	2.1 J	2.1 J	2.1 J	2.1 J	2.0 J	2.1 J	2.2 J	NA	NA

Notes:

[1]NC Administrative Code Title 15A, Subchapter 2L: Classifications and Water Quality Standards Applicable to The Groundwaters of North Carolina as of January 2010

[2]US Environmental Protection Agency's National Primary Drinking Water Standards-Maximum Contaminant Level (MCL) or Secondary (2nd) MCL if primary does not exist

ND = The concentrations of the targeted analytes were below the respective MDL or RL for the analytical methods. See the analytical laboratory report in appendices for details.

NA = Not analyzed

Bold indicates the analyte detection exceeds the screening criteria which are, in sequence, the MCL standard, then 2L standard, or no standards exist.

NES = No Established Standard

J = Estimated concentration

B=Analyte detected in associated method blank.

D=Sample analysed at dilution

µg/L = micrograms/liter

mg/L = milligrams/liter

APPENDIX A

Equipment Calibration Records and Field Notes

Field Instrument Maintenance and Calibration Log

Client/Site: NCDENR, IHS, Superfund Section, Division of Waste Management		Project No:	NCUL214P7
Site: Bunn Dump		Sampling Personnel:	A. Rosnick & K. Lilley
Purge Method: Full Purge - 20+ Min	Flow through Cell Used?	YES	NO
Pump Brand/ Model: —	Pump ID/Serial No: —		
Sampling Tubing: —			

Water Quality Instrument(s)

	Brand/Model	ID/Serial No.:
Turbidity ~~Multiprobe~~:	HACH 2100Q	11050C009431
Multiprobe components:	Temp. pH SC ORP DO Turb.	
Multiprobe ~~Turbidity meter~~:	Myron Ultra meter II	18339
SC meter:		
pH meter:		
DO meter:		
ORP meter:		

Other Monitoring Instrument(s)

Brand/Model/ID	

Calibration Record

Calibration Date:		6/11/13			6/12/13								
Calibration Time:		0920			0913								
Calibrated by (Initials):		ASR			ASR								Other:
pH	pH units	4	7	10	4	7	10	4	7	10	4	7	10
SC	mS/cm µS/cm	✓			✓								
DO	%DO mg/L	—			—								
ORP	mV	—			—								
Turb.	0/20 NTU	✓			✓								
Notes		NO ISSUES			NO ISSUES								

Calibration Date:													
Calibration Time:													
Calibrated by (Initials):													Other:
pH	pH units	4	7	10	4	7	10	4	7	10	4	7	10
SC	mS/cm µS/cm												
DO	%DO mg/L												
ORP	mV												
Turb.	NTU												
Notes													

June 11, 2013 – BUNN Dump NCUL21497
0750 Load vehicle B/GB
Kelly Lilley & Amy Rosard
Start Mile 66862
0811 Depart Site
090 Arrive @ Site
Health & Safety

~~TOO~~ Sample wells - see logs

Met w/ Mr. Botts (Well 27)
his wells are scattered everywhere
Well 27 is so turbid he says
water is brick red. Tried to
call Analec to decide a
sampling 10 NTU sample but
no answer. Will talk w/ he
tomorrow.

1620 Arrive @ office
End Miles 66900

Unpack & get Em to Cre
J Kosnik 6/11/13

6/12 NCUL21497 BUNN Dump
0800 Leave office
Mile 66974
Get Tee
0910 Arrive on Site
~~Sample~~ Health & Safety
field calibrate Equip.
Sample Wells –
See logs for details.

1630 Arrive @ office
End Miles 67074
Unload

J Kosnik
6/12/2013

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

8411 Garvey Drive, Suite 113
Raleigh, NC 27614
Toll-free: (866) 646-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 18339
Description Myron 6P
Calibrated 6/10/2013 9:03:09AM

Manufacturer Myron
Model Number 6P
Serial Number/ Lot Number 6206477
Location North Carolina
Department

State Certified
Status Pass
Temp °C 23.0
Humidity % 58.0

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.00	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.00	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.00	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.413	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	240.00	240.00	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

8411 Garvey Drive, Suite 113
Raleigh, NC 27614
Toll-free: (866) 646-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 18339
Description Myron 6P
Calibrated 6/10/2013 9:03:09AM

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NC 1.413 COND LOT 2AL259 12/13	NC 1.413 CONDUCTIVITY SOLUTION	AquaPhoenix Scientific	SL 20014	2AL259		12/31/2013
NC ORP 240MV LOT 2981	NC ORP 240 mV	Hanna	SL 50005	2981		10/31/2015
NC PH 10 (LOT 2AL122) 12/14	NC PH 10 (Lot 2AL122) 12/14	AquaPhoenix Scientific	SL 10010	2AL122		12/31/2014
NC PH 4 LOT 2AC547 EXP 3-14	NC PH 4	VWR	SL 10007	2AC547		3/31/2014
NC PH4 (LOT 2AJ488) EXP 10/14	NC PH 4	AquaPhoenix Scientific	SL 10007	2AJ488		10/31/2014

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated John Paul Keon

All instruments are calibrated by Pine Environmental Services, LLC. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services, LLC. of any defect within 24 hours of receipt of equipment
Please call 866-960-7463 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

8411 Garvey Drive, Suite 113
Raleigh, NC 27614
Toll-free: (866) 646-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 17301
Description HACH 2100Q Turbidimeter
Calibrated 6/10/2013 9:01:12AM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 11050C009431
Location North Carolina
Department

State Certified
Status Pass
Temp °C 23.0
Humidity % 58.0

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
800.00 / 800.00	NTU	800.00	NTU	800.00	800.00	0.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	20.00	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	100.00	100.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NC 0.1 NTU LOT A3038 EXP 2/14	Hach Turbidity Solution <0.1 NTU	HACH	2684701			2/28/2014
NC 20 NTU LOT A3058	Hach Stablcal 20NTU	HACH	2684801			2/28/2014
NC HACH 100 NTU LOT A3052 X2-14	Hach Stablcal 100NTU	HACH	2684901	A3052		2/28/2014
NC HACH 800NTU LOTA3058 X2-14	Hach Stablcal 800NTU	HACH	2684901	A3058		2/28/2014

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated John Paul Keon

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

8411 Garvey Drive, Suite 113
Raleigh, NC 27614
Toll-free: (866) 646-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 17301
Description HACH 2100Q Turbidimeter
Calibrated 6/10/2013 9:01:12AM

All instruments are calibrated by Pine Environmental Services, LLC. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services, LLC. of any defect within 24 hours of receipt of equipment
Please call 866-960-7463 for Technical Assistance

APPENDIX B

Sampling Logs

Well ID: 1

Date: 6/11/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☒ Well house ☐ Spigot on Residence

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: Hot; Sunny Meter Calibrations: Dmin AM

Owner: Wells, Byron & Mary Ellen, P O Box 429, Bunn, NC 27508

Well Location: 552 Howard Tant Rd

Field Parameters					
Time	1156	1201	1206	1211	
Turbidity (ntu)	10.5	1.68	0.99	0.56	
Temperature (°C)	25.3	21.1	20.1	20.4	
Conductivity (µS/cm)	64.73	62.72	61.77	61.72	
pH	6.31	6.12	6.05	6.06	

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Roswick **Sample Time:** 12:15

Notes:

Page 1 of 1

Signed by J Roswick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 2

Date: 6/12/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☒ Well house ☐ Spigot on Residence

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. ~~Hendershot~~ Rosurick & K. Lilley

Weather Conditions: 80° sunny Meter Calibrations: done in am

Owner: Wilson, Melissa & Anthony, 598 Howard Tant Rd, Zebulon, NC 27597

Well Location: 598 Howard Tant Rd

Field Parameters

Time	0932	0938	0943	0948	0953
Turbidity (ntu)	1.27	0.65	1.19	0.87	0.64
Temperature (°C)	23.4	19.6	18.8	18.9	18.7
Conductivity (µS/cm)	*82.19	53.97	53.22	52.22	52.45
pH	6.36	5.94	5.93	5.89	5.93

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Rosurick **Sample Time:** 0955

Notes: * would not settle into reading.

Mr. Wilson reported that he has a whole house filter so the outside spigots are filtered.

Signed by A Rosurick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 3

Date: 6/12/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☐ Well house ☒ Spigot on Residence

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. ~~Hendershot~~ Rosnick & K. Lilley

Weather Conditions: _____ Meter Calibrations: _____

Owner: Wilson, Melissa & Anthony, 598 Howard Tant Rd, Zebulon, NC 27597

Well Location: 124 Tants Way

Field Parameters					
Time					
Turbidity (ntu)					
Temperature (°C)					
Conductivity (µS/cm)					
pH					

NOT Sampled

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: _____ **Sample Time:** _____

Notes: Mr. Wilson has sinks torn out of house so water could not be turned on to collect sample. There is no spigot on the well. Therefore no sample could be collected.
He will have these back up & running in a couple weeks.

Page 1 of 1

Signed by J. Rosnick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 4

Date: 6/11/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:

☐ Well house ☒ Spigot on Residence

side by driveway

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: _____ Meter Calibrations: _____

Owner: ~~Ray, Michael, Young, Terry R &~~ Watt, Sharon F, 544 Howard Tant Rd Zebulon, NC 27597

Well Location: 544 Howard Tant Rd

Field Parameters					
Time	1322	1327	1332	1337	
Turbidity (ntu)	31.4	23.2	11.0	16.1	
Temperature (°C)	24.9	21.0	20.3	20.1	
Conductivity (µS/cm)	90.65	89.50	89.01	88.90	
pH	6.05	6.11	6.01	6.00	

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: KLL **Sample Time:** 13:40

Notes: Well was covered & insulated with no spigot, so sample was collected on side of house.

Page 1 of 1

Signed by G Rosnick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 5

Date: 6/11/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:

☐ Well house ☒ Spigot on Residence

Side of house

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: Meter Calibrations:

Owner: Betty B & George M Ray, 8011 NC 39 Hwy, Zebulon, NC 27597

Well Location: 567 Howard Tant Rd

Field Parameters

Time	1440	1445	1450	1455	15:00
Turbidity (ntu)	161	0.49	0.38	0.33	0.47
Temperature (°C)	23.3	20.5	19.2	19.3	19.0
Conductivity (µS/cm)	61.93	58.06	57.86	57.94	58.02
pH	5.48	5.37	5.35	5.32	5.30

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: KL **Sample Time:** 1505

Notes: Well was covered & no visible spigot.
Sample collected @ side of home
Renter reported not using the water for drinking b/c of bad results from a water sampling.

Page 1 of 1

Signed by J Rausch

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 6

Date: 6/11/13

Task Order: 312WS

SAMPLING LOCATION:
☑ Well house ☐ Spigot on Residence

SAMPLING LOG

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: 80s; Sunny Meter Calibrations: Done in AM

Owner: Wells, Richard Brandon, PO Box 50, Bunn, NC 27508

Well Location: 554 Howard Tant Rd

Field Parameters					
Time	1123	1128	1133	1138	11:43
Turbidity (ntu)	2.65	1.39	0.77	.60	0.58
Temperature (°C)	19.9	18.9	17.8	19.3	18.0
Conductivity (µS/cm)	116.9	~~FAT.~~ 119.6	115.2	114.5	115.8
pH	6.65	6.66	6.66	6.63	6.60

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Rosnick **Sample Time:** 11:45

Notes:

Page 1 of 1

Signed by J Rosnick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 7

Date: 6/12/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:

☐ Well house ☒ Spigot on Residence

No spigot UNDER house - Before Filter System

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: Hot; Sunny Meter Calibrations: Done in AM

Owner: Newland, Lloyd Dean, 227 Swetts Dr, Zebulon, NC 27597

Well Location: 227 Swetts Dr

Field Parameters

Time	1421	1426	1431	1436	1441
Turbidity (ntu)	63.3	38.7	36.0	34.5 *	33.4 *
Temperature (°C)	21.2	19.9	18.6	19.3	19.3
Conductivity (µS/cm)	106.5	107.9	107.7	107.3	107.5
pH	6.21	6.16	6.19	6.23	6.19

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Roswick **Sample Time:** 1445

Notes: Well has no spigot.
Owner has an elaborate filter system in crawl space @ back of house. There is ONE spigot not connected to this - attached to blue tank.
* Water is slightly milky. No red/obnoxious color/turbidity.

Signed by J. Roswick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 8

Date: 6/12/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☐ Well house ☒ Spigot on Residence
No spigot on well

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. ~~Hendershot~~ Roswick & K. Lilley

Weather Conditions: Sunny; high 80s Meter Calibrations: Done in AM

Owner: Hager, Edwin & Super, Sandra, 595 Howard Tant Rd, Zebulon, NC 27597

Well Location: 595 Howard Tant Rd

Field Parameters					
Time	1010	1015	1020	1025	
Turbidity (ntu)	1.49	0.87	0.68	0.68	
Temperature (°C)	21.2	18.7	19.3	18.9	
Conductivity (µS/cm)	70.20	69.93	69.92	69.92	
pH	6.11	6.12	6.07	6.06	

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Roswick **Sample Time:** 1030

Notes: Ms Super reported no problems, uses for all household uses.

DUP-060213 collected @ 1035

Page 1 of 1

Signed by J Roswick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 9

Date: 6/11/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:

☐ Well house ☒ Spigot on Residence

NO spigot. BACK OF House Near AC Vent

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: 80s ; Sunny Meter Calibrations: Done in AM

Owner: Wiggins, William & Margaritta, 614 Howard Tant Rd, Zebulon, NC 27597

Well Location: 614 Howard Tant Rd

Field Parameters

Time	1026	1031	10:36	10:41	1046
Turbidity (ntu)	2.57	7.86	7.86	3.09	2.69
Temperature (°C)	25.3	21.0	20.4	19.6	19.9
Conductivity (µS/cm)	69.62	67.62	~~74.00~~ 74.56	~~68.70~~ 68.70	67.80
pH	6.14	6.07	6.07	6.09	6.06

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Roswick **Sample Time:** 1050

Notes: Owner reported that $5K filtration system was recently installed. They were disappointed that no one informed them that a landfill had been so close before buying the property

Page 1 of 1

Signed by J Roswick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 10

Date: 6/12/13

Task Order: 312WS

SAMPLING LOCATION:
☑ Well house ☐ Spigot on Residence

SAMPLING LOG

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: low 90° sunny Meter Calibrations: done in am

Owner: Alston, Larry & Smith, Christine, 77 Tant Way, Zebulon, NC 27597

Well Location: 77 Tants Way and 51 Tants Way

Field Parameters					
Time	1319	1324	1329	1334	1339
Turbidity (ntu)	1.24	7.59	3.0	1.22	1.16
Temperature (°C)	21.1	19.8	19.0	19.2	18.3
Conductivity (µS/cm)	*66.23	66.87	69.28	69.69	69.93
pH	5.95	5.90	5.89	5.89	5.91

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: KL **Sample Time:** 1342

Notes: * Will not level out
Elaborate filter system in house. Mr. Alston reported this faucet was not filtered.

Page 1 of 1

Signed by J. Kessick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 11

Date: 6/12/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☒ Well house ☐ Spigot on Residence

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. ~~Hendershot~~ Roswick & K. Lilley

Weather Conditions: Hot; Sunny Meter Calibrations: Done in AM

Owner: Crudup, Johnny & Ann, 516 Howard Tant Rd, Zebulon, NC 27597

Well Location: 516 Howard Tant Rd

Field Parameters

Time	~~30.0~~ 1142	1147	1152	1157	1202
Turbidity (ntu)	30.0	9.36	2.83	1.88	2.39
Temperature (°C)	25.8	33.7	30.8	28.4	27.4
Conductivity (µS/cm)	77.41	76.77	73.95	72.84	72.65
pH	6.36	6.36	6.31	6.36	6.28

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Roswick **Sample Time:** 1205

Notes:

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Signed by J Roswick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 15 & 19

Date: 6/12/13

Task Order: 312WS

SAMPLING LOCATION:
☐ Well house ☐ Spigot on Residence

SAMPLING LOG

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: _____ Meter Calibrations: _____

Owner: Swett, Frank M, P O Box 416, Bunn, NC 27508

Well Location: 136 Swetts Dr

Field Parameters					
Time					
Turbidity (ntu)					
Temperature (°C)					
Conductivity (µS/cm)					
pH					
Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate					
Sample Collected by: _____ **Sample Time:** _____					

NOT Sampled *

* Notes: ≈1410: Field team knocked on door. Three vehicles outside house & windows were open but no response. Walked around house saw no wells or spigots. Large area behind electric fence.
≈1500 - Called Annalee Thornburg w/ The Unit. She found phone # & tried to contact owner. No response. Still no answer @ door. No samples were collected

Page 1 of 1

Signed by J Rosnick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 16

Date: 6/11/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☒ Well house ☐ Spigot on Residence

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: Hot; Sunny Meter Calibrations: Done onsite ~920

Owner: Tant, Lonnie Gean Sr., 604 Howard Tant Rd, Zebulon, NC 27597

Well Location: 604 Howard Tant Rd

Field Parameters					
Time	0933	0938	0943	0948	
Turbidity (ntu)	0.52	1.96	2.07	1.10	
Temperature (°C)	20.4	21.8	20.1	20.4	
Conductivity (µS/cm)	130.9	104.3	104.9	109.7	
pH	5.82	5.79	5.72	5.71	

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Rosnick **Sample Time:** 0953

Notes: ~~Dup.~~ 0955 sampled DUP061113
Owner reports no issues with well. No well 20. Her home at 604 & vacant lot at 606 Howard Tant Rd. use same well. No home there now but plans to build soon for her daughter

Page 1 of 1

Signed by J. Rosnick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 20

Date: 6/11/13

Task Order: 312WS

SAMPLING LOCATION:

☐ Well house ☐ Spigot on Residence

SAMPLING LOG

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: _____ Meter Calibrations: _____

Owner: Tant, Lonnie Gean Sr., 604 Howard Tant Rd, Zebulon, NC 27597

Well Location: 604 Howard Tant Rd

Field Parameters					
Time					
Turbidity (ntu)					
Temperature (°C)					
Conductivity (µS/cm)					
pH					
Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate					
Sample Collected by: _____ **Sample Time:** _____					

DOES NOT EXIST

Notes: This lot of land (currently vacant) will share Well #16 – owned by Mrs. Tant.
There are plans to move her daughter to this lot sometime in near future.

Page 1 of ____

Signed by J Rossick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 23

Date: 6/12/13

Task Order: 312WS

SAMPLING LOG

SAMPLING LOCATION:
☐ Well house ☒ Spigot on Residence
Side near drivewy

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. ~~Hendershot~~ Roswick & K. Lilley

Weather Conditions: Hot; Sunny Meter Calibrations: Done in AM.

Owner: Brantley, Cory J & Paula M, 33 Pine Ridge Rd, Zebulon, NC 27597

Well Location: 489 Howard Tant Rd

Field Parameters

Time	1105	1110	1115	1120	1125
Turbidity (ntu)	1.44	0.99	5.62	0.96	1.04
Temperature (°C)	23.1	20.7	20.5	20.5	19.9
Conductivity (µS/cm)	99.98	98.08	97.98	98.09	98.47
pH	6.43	6.33	6.36	~~20~~6.31	6.35

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: A. Roswick **Sample Time:** 1130

Notes: Well was back with chickens & mean rooster. There was only a high pressure spigot back there so we sampled from house

Page 1 of 1

Signed by J Roswick

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

Well ID: 27

Date: 6/11 & 6/12

Task Order: 312WS

SAMPLING LOCATION:

☐ Well house ☐ Spigot on Residence

SAMPLING LOG

County: Franklin Site: Bunn Dump

ID No.: NONCD0000312 Sampling Team: A. Hendershot & K. Lilley

Weather Conditions: _____ Meter Calibrations: _____

Owner: Botts, C Dewey & Dorothy, 655 Howard Tant Rd, Zebulon, NC 27597

Well Location: 655 Howard Tant Rd

Field Parameters					
Time					
Turbidity (ntu)					
Temperature (°C)					
Conductivity (µS/cm)					
pH					

Not Sampled

Analysis: SVOCs, VOCs, 15 Hazardous list metals, ammonia, nitrate, and sulfate

Sample Collected by: _____ **Sample Time:** _____

Notes: 6/11/13: Mr. Botts checked to see if power could get to the pump. The home is vacant & this well is not used. He has laid an elaborate system of pipes across several properties he owns to provide water to this house because the water here is "undrinkable." He reported it to be as "red as brick." Called Amater to discuss. Will decide in AM.

6/12/13: Mr. Botts would rather not turn the well on. He doesn't drink or use & is concerned that we may disturb the current system that is working. This was agreed to by the Unit.

Page 1 of 1

Signed by J Kozma

Note: Adequate purge includes three consecutive samples where: pH is within 0.1; conductivity is within 10%; temperature is within ±1.0°C; and turbidity has stabilized or is below 10 NTUs. If these are not been met after 20 minutes of purging (or four field readings after the initial reading), a sample will be collected and details of the parameter(s) which have not stabilized will be noted.

APPENDIX C

Analytical Laboratory Reports

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Friday, June 28, 2013

Cardno MM&A (MA014)

Attn: Amy Roswick

5825 Triangle Drive, Suite 1

Raleigh, NC 27617

RE: Laboratory Results for
Project Number: NCUL214P7, Project Name/Desc: Bunn Dump NONCD0000312
ENCO Workorder(s): C306469

Dear Amy Roswick,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, June 12, 2013.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

PROJECT NARRATIVE

Client: Cardno MM&A (MA014)
Project: Bunn Dump NONCD0000312

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

The Analyte Beryllium in Wells 1, 4, 6, 9, 16 and DUP-061113 was diluted 5X due to matrix interference. Zinc in Well 6 and Iron in Well 4 were diluted 5X due to analyte concentration.

All acronyms, data flags and notes are defined on page 68 of this report with the exception of MDL (Method Detection Limit) and PQL (Practical Quantitation Limit). The MDL is a statical value that represents the minimum level at which the analyte can be detected with 99% confidence. The PQL (or MRL) is the lowest point of the calibration curve. ug/L = micrograms/liter, mg/L = milligrams/liter, RPD = Relative Percent Difference, DF = Dilution Factor, % Rec = Percent Recovery, EPA = United States Environmental Protection Agency.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: Well 1 | **Lab ID: C306469-01** | **Sampled: 06/11/13 12:15** | **Received: 06/12/13 09:13**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/12/2013 23:44
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 13:48
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:02
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 13:58
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 16:12
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 10:00

Client ID: Well 1 | **Lab ID: C306469-01RE1** | **Sampled: 06/11/13 12:15** | **Received: 06/12/13 09:13**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:18

Client ID: Well 4 | **Lab ID: C306469-02** | **Sampled: 06/11/13 13:40** | **Received: 06/12/13 09:13**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/13/2013 00:02
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 13:51
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:22
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 14:00
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 16:41
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 10:32

Client ID: Well 4 | **Lab ID: C306469-02RE1** | **Sampled: 06/11/13 13:40** | **Received: 06/12/13 09:13**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 12:49

Client ID: Well 5 | **Lab ID: C306469-03** | **Sampled: 06/11/13 15:05** | **Received: 06/12/13 09:13**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/13/2013 00:21
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 13:53
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:26
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 13:47
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 17:10
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 11:04

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Client ID: Well 6	Lab ID: C306469-04	Sampled: 06/11/13 11:45	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/13/2013 00:39
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 13:55
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:30
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 14:03
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 17:40
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 11:36

Client ID: Well 6	Lab ID: C306469-04RE1	Sampled: 06/11/13 11:45	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/08/13	06/13/13	09:52	6/20/2013 12:53

Client ID: Well 9	Lab ID: C306469-05	Sampled: 06/11/13 10:50	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/13/2013 00:58
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 13:57
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:42
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 14:10
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 18:10
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 12:08

Client ID: Well 9	Lab ID: C306469-05RE1	Sampled: 06/11/13 10:50	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/08/13	06/13/13	09:52	6/20/2013 12:57

Client ID: Well 16	Lab ID: C306469-06	Sampled: 06/11/13 09:53	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/13/2013 01:16
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 13:59
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:46
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 14:12
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 18:39
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 12:39

Client ID: Well 16	Lab ID: C306469-06RE1	Sampled: 06/11/13 09:53	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/08/13	06/13/13	09:52	6/20/2013 13:01

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Client ID: DUP-061113	Lab ID: C306469-07	Sampled: 06/11/13 09:55	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/09/13		06/12/13	08:29	6/13/2013 01:35
EPA 350.1	07/09/13		06/13/13	08:16	6/13/2013 14:01
EPA 353.2	03/06/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/08/13		06/13/13	09:52	6/20/2013 11:50
EPA 7470A	07/09/13		06/18/13	10:06	6/19/2013 14:14
EPA 8260B	06/25/13		06/19/13	15:40	6/21/2013 19:08
EPA 8270D	06/18/13	07/24/13	06/14/13	16:56	6/21/2013 13:11

Client ID: DUP-061113	Lab ID: C306469-07RE1	Sampled: 06/11/13 09:55	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/08/13	06/13/13	09:52	6/20/2013 13:05

Client ID: Trip Blank	Lab ID: C306469-08	Sampled: 06/11/13 09:53	Received: 06/12/13 09:13

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/25/13	06/19/13	15:40	6/21/2013 19:38

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE DETECTION SUMMARY

Client ID: Well 1 **Lab ID: C306469-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Antimony - Total	0.835	J	0.220	2.00	ug/L	EPA 6020A	
Cadmium - Total	0.215	J	0.100	1.00	ug/L	EPA 6020A	
Chromium - Total	0.568	J	0.450	1.00	ug/L	EPA 6020A	
Copper - Total	1.96		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	1.40		0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	0.516	J	0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.960	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	0.60		0.025	0.10	mg/L	EPA 353.2	
Silver - Total	1.03		0.100	1.00	ug/L	EPA 6020A	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Thallium - Total	0.603	J	0.110	1.00	ug/L	EPA 6020A	
Zinc - Total	11.6		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 1 **Lab ID: C306469-01RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	1.38	JD	0.500	5.00	ug/L	EPA 6020A	R-01

Client ID: Well 4 **Lab ID: C306469-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Antimony - Total	0.288	J	0.220	2.00	ug/L	EPA 6020A	
Copper - Total	38.2		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	2.26		0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	15.6		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.350	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	3.1		0.025	0.10	mg/L	EPA 353.2	
Silver - Total	0.405	J	0.100	1.00	ug/L	EPA 6020A	
Sulfate as SO4	2.0	J	0.04	5.0	mg/L	EPA 300.0	
Thallium - Total	0.189	J	0.110	1.00	ug/L	EPA 6020A	
Zinc - Total	227		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 4 **Lab ID: C306469-02RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.896	JD	0.500	5.00	ug/L	EPA 6020A	R-01
Iron - Total	1280	D	60.0	250	ug/L	EPA 6020A	

Client ID: Well 5 **Lab ID: C306469-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	34.0		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	2.26		0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	14.6		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.146	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	4.0		0.025	0.10	mg/L	EPA 353.2	
Silver - Total	0.251	J	0.100	1.00	ug/L	EPA 6020A	
Sulfate as SO4	2.0	J	0.04	5.0	mg/L	EPA 300.0	
Thallium - Total	0.290	J	0.110	1.00	ug/L	EPA 6020A	
Zinc - Total	26.1		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 6 **Lab ID: C306469-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloroform	0.87	J	0.18	1.0	ug/L	EPA 8260B	
Copper - Total	4.02		0.100	1.00	ug/L	EPA 6020A	

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Client ID: Well 6 **Lab ID: C306469-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	85.4		12.0	50.0	ug/L	EPA 6020A	
Lead - Total	0.881	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	25.4		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.195	J	0.100	1.00	ug/L	EPA 6020A	
Silver - Total	0.107	J	0.100	1.00	ug/L	EPA 6020A	
Sulfate as SO4	2.2	J	0.04	5.0	mg/L	EPA 300.0	

Client ID: Well 6 **Lab ID: C306469-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Zinc - Total	1150	D	3.95	25.0	ug/L	EPA 6020A	

Client ID: Well 9 **Lab ID: C306469-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Antimony - Total	0.222	J	0.220	2.00	ug/L	EPA 6020A	
Copper - Total	18.3		0.100	1.00	ug/L	EPA 6020A	
Iron - Total	115		12.0	50.0	ug/L	EPA 6020A	
Lead - Total	0.402	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	2.44		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.200	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	0.46		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	43.4		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 16 **Lab ID: C306469-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	7.82		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	0.975	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	1.07		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.119	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	4.5		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.0	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	5.90		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 16 **Lab ID: C306469-06RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	1.27	JD	0.500	5.00	ug/L	EPA 6020A	R-01

Client ID: DUP-061113 **Lab ID: C306469-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.070	J	0.045	0.10	mg/L	EPA 350.1	
Copper - Total	6.04		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	0.580	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	0.998	J	0.390	1.00	ug/L	EPA 6020A	
Nitrate as N	4.5		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	5.53		0.790	5.00	ug/L	EPA 6020A	

Client ID: DUP-061113 **Lab ID: C306469-07RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	1.23	JD	0.500	5.00	ug/L	EPA 6020A	R-01

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ANALYTICAL RESULTS

Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 16:12	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 16:12	REF	

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Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 16:12*	*REF*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 16:12*	*REF*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 16:12*	*REF*	

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Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	

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Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:00	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*82*	*1*	*100*	*82 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 10:00*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*81 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 10:00*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 10:00*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*80 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 10:00*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 10:00*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*84 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 10:00*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 13:58	T1D	

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Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.835**	J	ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Beryllium [7440-41-7] ^	**1.38**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 11:18	VLO	R-01
Cadmium [7440-43-9] ^	**0.215**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Chromium [7440-47-3] ^	**0.568**	J	ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Copper [7440-50-8] ^	**1.96**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Lead [7439-92-1] ^	**1.40**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Manganese [7439-96-5] ^	**0.516**	J	ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Nickel [7440-02-0] ^	**0.960**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Silver [7440-22-4] ^	**1.03**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Thallium [7440-28-0] ^	**0.603**	J	ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	
Zinc [7440-66-6] ^	**11.6**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:02	VLO	

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Description: Well 1 | **Lab Sample ID:** C306469-01 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 12:15 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 13:48	JCS	
Nitrate as N [14797-55-8] ^	**0.60**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/12/13 23:44	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 16:41	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 16:41	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 16:41*	*REF*	

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 16:41*	*REF*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 16:41*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 10:32	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*88*	*1*	*100*	*88 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 10:32*	*DFM*	
2-Fluorobiphenyl	*44*	*1*	*50.0*	*89 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 10:32*	*DFM*	
2-Fluorophenol	*62*	*1*	*100*	*62 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 10:32*	*DFM*	
Nitrobenzene-d5	*43*	*1*	*50.0*	*86 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 10:32*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 10:32*	*DFM*	
Terphenyl-d14	*47*	*1*	*50.0*	*94 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 10:32*	*DFM*	

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:00	T1D	

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.288**	J	ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Beryllium [7440-41-7] ^	**0.896**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 12:49	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Copper [7440-50-8] ^	**38.2**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Iron [7439-89-6] ^	**1280**	D	ug/L	5	60.0	250	3F13010	EPA 6020A	06/20/13 12:49	VLO	
Lead [7439-92-1] ^	**2.26**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Manganese [7439-96-5] ^	**15.6**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Nickel [7440-02-0] ^	**0.350**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Silver [7440-22-4] ^	**0.405**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Thallium [7440-28-0] ^	**0.189**	J	ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	
Zinc [7440-66-6] ^	**227**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:22	VLO	

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Description: Well 4 | **Lab Sample ID:** C306469-02 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 13:40 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 13:51	JCS	
Nitrate as N [14797-55-8] ^	**3.1**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.0**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/13/13 00:02	JCS	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 17:10	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 17:10	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 17:10*	*REF*	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 17:10*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 17:10*	*REF*	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:04	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*87*	*1*	*100*	*87 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 11:04*	*DFM*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*87 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 11:04*	*DFM*	
2-Fluorophenol	*66*	*1*	*100*	*66 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 11:04*	*DFM*	
Nitrobenzene-d5	*43*	*1*	*50.0*	*85 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 11:04*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 11:04*	*DFM*	
Terphenyl-d14	*46*	*1*	*50.0*	*92 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 11:04*	*DFM*	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 13:47	T1D	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Copper [7440-50-8] ^	**34.0**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Lead [7439-92-1] ^	**2.26**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Manganese [7439-96-5] ^	**14.6**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Nickel [7440-02-0] ^	**0.146**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Silver [7440-22-4] ^	**0.251**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Thallium [7440-28-0] ^	**0.290**	J	ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	
Zinc [7440-66-6] ^	**26.1**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:26	VLO	

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Description: Well 5 | **Lab Sample ID:** C306469-03 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 15:05 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 13:53	JCS	
Nitrate as N [14797-55-8] ^	**4.0**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.0**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/13/13 00:21	JCS	

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 17:40	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Chloroform [67-66-3] ^	**0.87**	J	ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 17:40	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 17:40*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 17:40*	*REF*	
Toluene-d8	*51*	*1*	*50.0*	*103 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 17:40*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 11:36	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*86*	*1*	*100*	*86 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 11:36*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*82 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 11:36*	*DFM*	
2-Fluorophenol	*60*	*1*	*100*	*60 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 11:36*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*79 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 11:36*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 11:36*	*DFM*	
Terphenyl-d14	*48*	*1*	*50.0*	*95 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 11:36*	*DFM*	

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:03	T1D	

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Beryllium [7440-41-7] ^	ND		ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 12:53	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Copper [7440-50-8] ^	**4.02**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Iron [7439-89-6] ^	**85.4**		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Lead [7439-92-1] ^	**0.881**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Manganese [7439-96-5] ^	**25.4**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Nickel [7440-02-0] ^	**0.195**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Silver [7440-22-4] ^	**0.107**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:30	VLO	
Zinc [7440-66-6] ^	**1150**	D	ug/L	5	3.95	25.0	3F13010	EPA 6020A	06/20/13 12:53	VLO	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 6 | **Lab Sample ID:** C306469-04 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 11:45 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 13:55	JCS	
Nitrate as N [14797-55-8] ^	ND		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.2**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/13/13 00:39	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 18:10	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 18:10	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 18:10*	*REF*	

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 18:10*	*REF*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 18:10*	*REF*	

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:08	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*89*	*1*	*100*	*89 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 12:08*	*DFM*	
2-Fluorobiphenyl	*44*	*1*	*50.0*	*89 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 12:08*	*DFM*	
2-Fluorophenol	*66*	*1*	*100*	*66 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 12:08*	*DFM*	
Nitrobenzene-d5	*44*	*1*	*50.0*	*87 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 12:08*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 12:08*	*DFM*	
Terphenyl-d14	*45*	*1*	*50.0*	*90 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 12:08*	*DFM*	

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:10	T1D	

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.222**	J	ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Beryllium [7440-41-7] ^	ND		ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 12:57	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Copper [7440-50-8] ^	**18.3**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Iron [7439-89-6] ^	**115**		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Lead [7439-92-1] ^	**0.402**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Manganese [7439-96-5] ^	**2.44**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Nickel [7440-02-0] ^	**0.200**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	
Zinc [7440-66-6] ^	**43.4**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:42	VLO	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 9 | **Lab Sample ID:** C306469-05 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 10:50 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 13:57	JCS	
Nitrate as N [14797-55-8] ^	**0.46**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/13/13 00:58	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 18:39	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 18:39	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 18:39*	*REF*	

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*40*	*1*	*50.0*	*79 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 18:39*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 18:39*	*REF*	

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 12:39	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*90*	*1*	*100*	*90 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 12:39*	*DFM*	
2-Fluorobiphenyl	*44*	*1*	*50.0*	*89 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 12:39*	*DFM*	
2-Fluorophenol	*66*	*1*	*100*	*66 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 12:39*	*DFM*	
Nitrobenzene-d5	*44*	*1*	*50.0*	*87 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 12:39*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 12:39*	*DFM*	
Terphenyl-d14	*47*	*1*	*50.0*	*93 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 12:39*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:12	T1D	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Beryllium [7440-41-7] ^	**1.27**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:01	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Copper [7440-50-8] ^	**7.82**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Lead [7439-92-1] ^	**0.975**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Manganese [7439-96-5] ^	**1.07**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Nickel [7440-02-0] ^	**0.119**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	
Zinc [7440-66-6] ^	**5.90**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:46	VLO	

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Description: Well 16 | **Lab Sample ID:** C306469-06 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 13:59	JCS	
Nitrate as N [14797-55-8] ^	**4.5**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.0**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/13/13 01:16	JCS	

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 19:08	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 19:08	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 19:08*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 19:08*	*REF*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 19:08*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	QV-01
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F14031	EPA 8270D	06/21/13 13:11	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*87*	*1*	*100*	*87 %*	*28-130*	*3F14031*	*EPA 8270D*	*06/21/13 13:11*	*DFM*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*85 %*	*49-105*	*3F14031*	*EPA 8270D*	*06/21/13 13:11*	*DFM*	
2-Fluorophenol	*63*	*1*	*100*	*63 %*	*28-95*	*3F14031*	*EPA 8270D*	*06/21/13 13:11*	*DFM*	
Nitrobenzene-d5	*42*	*1*	*50.0*	*84 %*	*50-117*	*3F14031*	*EPA 8270D*	*06/21/13 13:11*	*DFM*	
Phenol-d5	*51*	*1*	*100*	*51 %*	*21-184*	*3F14031*	*EPA 8270D*	*06/21/13 13:11*	*DFM*	
Terphenyl-d14	*46*	*1*	*50.0*	*93 %*	*54-124*	*3F14031*	*EPA 8270D*	*06/21/13 13:11*	*DFM*	

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:14	T1D	

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Beryllium [7440-41-7] ^	**1.23**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:05	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Copper [7440-50-8] ^	**6.04**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Lead [7439-92-1] ^	**0.580**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Manganese [7439-96-5] ^	**0.998**	J	ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Nickel [7440-02-0] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	
Zinc [7440-66-6] ^	**5.53**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:50	VLO	

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Description: DUP-061113 | **Lab Sample ID:** C306469-07 | **Received:** 06/12/13 09:13

Matrix: Ground Water | **Sampled:** 06/11/13 09:55 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**0.070**	J	mg/L	1	0.045	0.10	3F13004	EPA 350.1	06/13/13 14:01	JCS	
Nitrate as N [14797-55-8] ^	**4.5**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F12011	EPA 300.0	06/13/13 01:35	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Trip Blank | **Lab Sample ID:** C306469-08 | **Received:** 06/12/13 09:13

Matrix: Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21023	EPA 8260B	06/21/13 19:38	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21023	EPA 8260B	06/21/13 19:38	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*3F21023*	*EPA 8260B*	*06/21/13 19:38*	*REF*	

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Description: Trip Blank | **Lab Sample ID:** C306469-08 | **Received:** 06/12/13 09:13

Matrix: Water | **Sampled:** 06/11/13 09:53 | **Work Order:** C306469

Project: Bunn Dump NONCD0000312 | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*3F21023*	*EPA 8260B*	*06/21/13 19:38*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*67-127*	*3F21023*	*EPA 8260B*	*06/21/13 19:38*	*REF*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21023 - EPA 5030B_MS

Blank (3F21023-BLK1) Prepared: 06/21/2013 12:03 Analyzed: 06/21/2013 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.01	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
1,4-Dioxane	25	U	60	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon Tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Cyclohexane	0.36	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Freon 113	0.35	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methyl acetate	0.51	U	1.0	ug/L							
Methyl cyclohexane	0.54	U	1.0	ug/L							
Methylene Chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
o-Xylene	0.06	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21023 - EPA 5030B_MS

Blank (3F21023-BLK1) Continued Prepared: 06/21/2013 12:03 Analyzed: 06/21/2013 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*85*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*101*	*67-127*			

LCS (3F21023-BS1) Prepared: 06/21/2013 12:03 Analyzed: 06/21/2013 13:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		98	75-133			
Benzene	19		1.0	ug/L	20.0		96	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		105	83-117			
Cyclohexane	22		1.0	ug/L	20.0		109	0-200			
Methyl acetate	27		1.0	ug/L	20.0		137	0-200			
Methyl cyclohexane	23		1.0	ug/L	20.0		117	0-200			
Toluene	21		1.0	ug/L	20.0		105	71-118			
Trichloroethene	21		1.0	ug/L	20.0		103	74-119			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*81*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*67-127*			

Matrix Spike (3F21023-MS1) Prepared: 06/21/2013 14:03 Analyzed: 06/21/2013 14:15

Source: C308192-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	96	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	105	83-117			
Cyclohexane	23		1.0	ug/L	20.0	0.36 U	117	0-200			
Methyl acetate	29		1.0	ug/L	20.0	0.51 U	143	0-200			
Methyl cyclohexane	24		1.0	ug/L	20.0	0.54 U	119	0-200			
Toluene	20		1.0	ug/L	20.0	0.14 U	102	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*67-127*			

Matrix Spike Dup (3F21023-MSD1) Prepared: 06/21/2013 14:03 Analyzed: 06/21/2013 14:44

Source: C308192-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	93	75-133	10	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	89	81-134	7	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	102	83-117	2	16	
Cyclohexane	20		1.0	ug/L	20.0	0.36 U	102	0-200	13	50	
Methyl acetate	29		1.0	ug/L	20.0	0.51 U	146	0-200	2	50	
Methyl cyclohexane	20		1.0	ug/L	20.0	0.54 U	102	0-200	15	50	
Toluene	20		1.0	ug/L	20.0	0.14 U	99	71-118	3	17	
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	90	74-119	8	22	
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*83*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*67-127*			

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21023 - EPA 5030B_MS

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 3F14031 - EPA 3510C_MS

Blank (3F14031-BLK1) Prepared: 06/14/2013 16:56 Analyzed: 06/21/2013 07:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1'-Biphenyl	1.5	U	10	ug/L							
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							QV-01
4-Nitrophenol	2.0	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Atrazine	1.5	U	10	ug/L							
Benzaldehyde	1.4	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Caprolactam	1.3	U	10	ug/L							
Carbazole	2.5	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 3F14031 - EPA 3510C_MS

Blank (3F14031-BLK1) Continued Prepared: 06/14/2013 16:56 Analyzed: 06/21/2013 07:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diethylphthalate	2.1	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Naphthalene	1.3	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
Pentachlorophenol	1.8	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*98*			*ug/L*	*100*		*98*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*46*			*ug/L*	*50.0*		*92*	*49-105*			
Surrogate: 2-Fluorophenol	*76*			*ug/L*	*100*		*76*	*28-95*			
Surrogate: Nitrobenzene-d5	*46*			*ug/L*	*50.0*		*91*	*50-117*			
Surrogate: Phenol-d5	*63*			*ug/L*	*100*		*63*	*21-184*			
Surrogate: Terphenyl-d14	*54*			*ug/L*	*50.0*		*107*	*54-124*			

LCS (3F14031-BS1) Prepared: 06/14/2013 16:56 Analyzed: 06/21/2013 07:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0		82	62-95			
4-Chloro-3-methylphenol	45		10	ug/L	50.0		91	62-108			
4-Nitrophenol	36		10	ug/L	50.0		72	21-97			
Acenaphthene	44		10	ug/L	50.0		89	63-101			
N-Nitroso-di-n-propylamine	47		10	ug/L	50.0		94	57-106			
Pentachlorophenol	45		10	ug/L	50.0		89	25-120			
Phenol	30		10	ug/L	50.0		61	31-78			
Surrogate: 2,4,6-Tribromophenol	*89*			*ug/L*	*100*		*89*	*42-123*			
Surrogate: 2-Fluorobiphenyl	*43*			*ug/L*	*50.0*		*86*	*49-105*			
Surrogate: 2-Fluorophenol	*68*			*ug/L*	*100*		*68*	*28-95*			
Surrogate: Nitrobenzene-d5	*44*			*ug/L*	*50.0*		*89*	*50-117*			
Surrogate: Phenol-d5	*59*			*ug/L*	*100*		*59*	*21-184*			
Surrogate: Terphenyl-d14	*46*			*ug/L*	*50.0*		*92*	*54-124*			

Matrix Spike (3F14031-MS1) Prepared: 06/14/2013 16:56 Analyzed: 06/21/2013 08:24

Source: C307190-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	40		10	ug/L	50.0	1.2 U	81	62-95			
4-Chloro-3-methylphenol	44		10	ug/L	50.0	1.5 U	89	62-108			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 3F14031 - EPA 3510C_MS

Matrix Spike (3F14031-MS1) Continued Prepared: 06/14/2013 16:56 Analyzed: 06/21/2013 08:24

Source: C307190-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Nitrophenol	34		10	ug/L	50.0	2.0 U	69	21-97			
Acenaphthene	44		10	ug/L	50.0	1.4 U	89	63-101			
N-Nitroso-di-n-propylamine	45		10	ug/L	50.0	1.5 U	89	57-106			
Pentachlorophenol	44		10	ug/L	50.0	1.8 U	89	25-120			
Phenol	29		10	ug/L	50.0	1.4 U	57	31-78			
Surrogate: 2,4,6-Tribromophenol	*90*			*ug/L*	*100*		*90*	*42-123*			
Surrogate: 2-Fluorobiphenyl	*43*			*ug/L*	*50.0*		*86*	*49-105*			
Surrogate: 2-Fluorophenol	*65*			*ug/L*	*100*		*65*	*28-95*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*82*	*50-117*			
Surrogate: Phenol-d5	*54*			*ug/L*	*100*		*54*	*21-184*			
Surrogate: Terphenyl-d14	*42*			*ug/L*	*50.0*		*85*	*54-124*			

Matrix Spike Dup (3F14031-MSD1) Prepared: 06/14/2013 16:56 Analyzed: 06/21/2013 08:56

Source: C307190-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	40		10	ug/L	50.0	1.2 U	80	62-95	0.9	28	
4-Chloro-3-methylphenol	45		10	ug/L	50.0	1.5 U	89	62-108	0.2	39	
4-Nitrophenol	34		10	ug/L	50.0	2.0 U	67	21-97	2	43	
Acenaphthene	44		10	ug/L	50.0	1.4 U	88	63-101	1	28	
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0	1.5 U	88	57-106	2	34	
Pentachlorophenol	44		10	ug/L	50.0	1.8 U	87	25-120	2	49	
Phenol	28		10	ug/L	50.0	1.4 U	55	31-78	4	29	
Surrogate: 2,4,6-Tribromophenol	*88*			*ug/L*	*100*		*88*	*42-123*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*84*	*49-105*			
Surrogate: 2-Fluorophenol	*64*			*ug/L*	*100*		*64*	*28-95*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*83*	*50-117*			
Surrogate: Phenol-d5	*51*			*ug/L*	*100*		*51*	*21-184*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*83*	*54-124*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3F18010 - EPA 7470A

Blank (3F18010-BLK1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (3F18010-BS1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.48		0.200	ug/L	5.00		90	80-120			

Matrix Spike (3F18010-MS1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:49

Source: C306469-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.63		0.200	ug/L	5.00	0.170 U	93	75-125			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3F18010 - EPA 7470A

Matrix Spike Dup (3F18010-MSD1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:52

Source: C306469-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.53		0.200	ug/L	5.00	0.170 U	91	75-125	2	25	

Post Spike (3F18010-PS1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:54

Source: C306469-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.17		0.200	ug/L	5.00	-0.00700	84	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 3F13010 - EPA 3005A

Blank (3F13010-BLK1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Arsenic	0.470	U	1.00	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.100	U	1.00	ug/L							
Chromium	0.450	U	1.00	ug/L							
Copper	0.100	U	1.00	ug/L							
Iron	12.0	U	50.0	ug/L							
Lead	0.100	U	1.00	ug/L							
Manganese	0.390	U	1.00	ug/L							
Nickel	0.100	U	1.00	ug/L							
Selenium	0.910	U	1.00	ug/L							
Silver	0.100	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							
Zinc	0.790	U	5.00	ug/L							

LCS (3F13010-BS1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 10:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	195		2.00	ug/L	200		98	80-120			
Arsenic	190		1.00	ug/L	200		95	80-120			
Beryllium	200		1.00	ug/L	200		100	80-120			
Cadmium	191		1.00	ug/L	200		96	80-120			
Chromium	193		1.00	ug/L	200		96	80-120			
Copper	194		1.00	ug/L	200		97	80-120			
Iron	199		50.0	ug/L	200		99	80-120			
Lead	199		1.00	ug/L	200		99	80-120			
Manganese	192		1.00	ug/L	200		96	80-120			
Nickel	195		1.00	ug/L	200		97	80-120			
Selenium	205		1.00	ug/L	200		102	80-120			
Silver	199		1.00	ug/L	200		100	80-120			
Thallium	191		1.00	ug/L	200		95	80-120			
Zinc	200		5.00	ug/L	200		100	80-120			

Matrix Spike (3F13010-MS1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:06

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QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 3F13010 - EPA 3005A

Matrix Spike (3F13010-MS1) Continued Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:06

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	196		2.00	ug/L	200	0.835	97	75-125			
Arsenic	195		1.00	ug/L	200	0.470 U	97	75-125			
Beryllium	152		1.00	ug/L	200	0.950	75	75-125			
Cadmium	187		1.00	ug/L	200	0.215	93	75-125			
Chromium	193		1.00	ug/L	200	0.568	96	75-125			
Copper	192		1.00	ug/L	200	1.96	95	75-125			
Iron	198		50.0	ug/L	200	12.0 U	99	75-125			
Lead	193		1.00	ug/L	200	1.40	96	75-125			
Manganese	191		1.00	ug/L	200	0.516	95	75-125			
Nickel	191		1.00	ug/L	200	0.960	95	80-120			
Selenium	199		1.00	ug/L	200	0.910 U	100	75-125			
Silver	193		1.00	ug/L	200	1.03	96	75-125			
Thallium	185		1.00	ug/L	200	0.603	92	75-125			
Zinc	206		5.00	ug/L	200	11.6	97	75-125			

Matrix Spike Dup (3F13010-MSD1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:10

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	201		2.00	ug/L	200	0.835	100	75-125	3	20	
Arsenic	198		1.00	ug/L	200	0.470 U	99	75-125	2	20	
Beryllium	155		1.00	ug/L	200	0.950	77	75-125	2	20	
Cadmium	192		1.00	ug/L	200	0.215	96	75-125	3	20	
Chromium	194		1.00	ug/L	200	0.568	97	75-125	0.2	20	
Copper	194		1.00	ug/L	200	1.96	96	75-125	1	20	
Iron	204		50.0	ug/L	200	12.0 U	102	75-125	3	20	
Lead	198		1.00	ug/L	200	1.40	99	75-125	3	20	
Manganese	192		1.00	ug/L	200	0.516	96	75-125	0.6	20	
Nickel	192		1.00	ug/L	200	0.960	96	80-120	1	20	
Selenium	206		1.00	ug/L	200	0.910 U	103	75-125	3	20	
Silver	200		1.00	ug/L	200	1.03	99	75-125	3	20	
Thallium	190		1.00	ug/L	200	0.603	95	75-125	3	20	
Zinc	206		5.00	ug/L	200	11.6	97	75-125	0.01	20	

Post Spike (3F13010-PS1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:14

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	193		2.00	ug/L	200	0.835	96	80-120			
Arsenic	192		1.00	ug/L	200	0.183	96	80-120			
Beryllium	152		1.00	ug/L	200	0.950	75	80-120			QM-08
Cadmium	184		1.00	ug/L	200	0.215	92	80-120			
Chromium	184		1.00	ug/L	200	0.568	92	80-120			
Copper	183		1.00	ug/L	200	1.96	90	80-120			
Iron	189		50.0	ug/L	200	1.26	94	80-120			
Lead	188		1.00	ug/L	200	1.40	93	80-120			
Manganese	181		1.00	ug/L	200	0.516	90	80-120			
Nickel	181		1.00	ug/L	200	0.960	90	80-120			
Selenium	198		1.00	ug/L	200	-0.413	99	80-120			
Silver	193		1.00	ug/L	200	1.03	96	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 3F13010 - EPA 3005A

Post Spike (3F13010-PS1) Continued Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:14

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Thallium	179		1.00	ug/L	200	0.603	89	80-120			
Zinc	196		5.00	ug/L	200	11.6	92	80-120			

Classical Chemistry Parameters - Quality Control

Batch 3F12011 - NO PREP

Blank (3F12011-BLK1) Prepared: 06/12/2013 08:29 Analyzed: 06/12/2013 11:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.04	U	5.0	mg/L							

LCS (3F12011-BS1) Prepared: 06/12/2013 08:29 Analyzed: 06/12/2013 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	50		5.0	mg/L	50.0		99	90-110			

LCS (3F12011-BS2) Prepared: 06/12/2013 08:29 Analyzed: 06/12/2013 14:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	50		5.0	mg/L	50.0		100	90-110			

Matrix Spike (3F12011-MS1) Prepared: 06/12/2013 08:29 Analyzed: 06/12/2013 20:20

Source: C305866-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	35		5.0	mg/L	20.0	16	95	90-110			

Matrix Spike Dup (3F12011-MSD1) Prepared: 06/12/2013 08:29 Analyzed: 06/12/2013 20:38

Source: C305866-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	35		5.0	mg/L	20.0	16	96	90-110	0.7	10	

Batch 3F12037 - NO PREP

LCS (3F12037-BS1) Prepared: 06/12/2013 14:51 Analyzed: 06/12/2013 15:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00		101	90-110			

Matrix Spike (3F12037-MS1) Prepared: 06/12/2013 14:51 Analyzed: 06/12/2013 15:49

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00	0.042	101	90-110			

Matrix Spike Dup (3F12037-MSD1) Prepared: 06/12/2013 14:51 Analyzed: 06/12/2013 15:50

Source: C305702-02

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 3F12037 - NO PREP

Matrix Spike Dup (3F12037-MSD1) Continued Prepared: 06/12/2013 14:51 Analyzed: 06/12/2013 15:50

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.1		0.10	mg/L	1.00	0.042	101	90-110	0.7	10	

Batch 3F13004 - NO PREP

Blank (3F13004-BLK1) Prepared: 06/13/2013 08:16 Analyzed: 06/13/2013 13:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.045	U	0.10	mg/L							

LCS (3F13004-BS1) Prepared: 06/13/2013 08:16 Analyzed: 06/13/2013 13:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.10	mg/L	1.00		106	90-110			

Matrix Spike (3F13004-MS1) Prepared: 06/13/2013 08:16 Analyzed: 06/13/2013 13:24

Source: C306397-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.40		0.10	mg/L	0.389	0.045 U	104	90-110			

Matrix Spike Dup (3F13004-MSD1) Prepared: 06/13/2013 08:16 Analyzed: 06/13/2013 13:26

Source: C306397-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.41		0.10	mg/L	0.389	0.045 U	105	90-110	0.4	10	

Batch 3F14015 - NO PREP

LCS (3F14015-BS1) Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.3		0.10	mg/L	1.25		101	90-110			

Matrix Spike (3F14015-MS1) Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:22

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.5		0.10	mg/L	0.513	1.0	95	90-110			

Matrix Spike Dup (3F14015-MSD1) Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:24

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.5		0.10	mg/L	0.513	1.0	95	90-110	0.2	10	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
ND	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Client Name: MM&A	Project Number: NCUL214P7
Address: 5825 TRIangle DR. Suite 1	Project Name/Desc: BUNN DUMP
City/ST/Zip: Raleigh NC 27617	PO # / Billing Info: NCUL214P7
Tel: 919-786-1414 Fax:	Reporting Contact: Same
Sampler(s) Name, Affiliation (Print): Amy Roswick, MM&A	Billing Contact: Same
Sampler(s) Signature: A Roswick	Site Location / Time Zone: BUNN, Wake County, NC

Requested Analyses: 8240B TCL VOCs; 8270D TCL SVOC; 15 Metals Per contract including Hg; Ammonia 350.1, Nitrate 353.2; Sulfate 300

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. ✓ Standard ___ Expedited Due __/__/__

Lab Workorder: C 306469

Preservation (See Codes) (Combine as necessary): HCl; —; HNO3; H2SO4; NaOH

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	HCl	—	HNO3	H2SO4	NaOH	Sample Comments
	Well 1	6/11/13	1215	G		7	3	1	1	1	1	3030C Prep for Metals
	Well 4	↓	1340	G		7	3	1	1	1	1	
	Well 5		1505	G		7	3	1	1	1	1	
	Well 6		1145	G		7	3	1	1	1	1	NOTICs
	Well 9		1030	G		7	3	1	1	1	1	
	Well 16		0953	G		7	3	1	1	1	1	Shorthold Times.
	DUP-061113		0955	G		7	3	1	1	1	1	
	TRIP BLANK	—	—	—	—	3	3	—	—	—	—	
						52	<-- Total # of Containers					

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		A Roswick	6/11/13 1650	[illegible]	6/11/13 1650
Comments/Special Reporting Requirements: Per terms & Conditions, including payment, specified in Master Service Agreement dated 3/1/2013. Analytical fees in accordance w/ Pre-Reg. Landfill bid.		[illegible]	6/12/13 0913	[illegible]	6-12-13 913
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-900 0.2°C; ~~C-801~~ Blue 3.1°C

Condition Upon Receipt: ✓ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Friday, June 28, 2013

Cardno MM&A (MA014)

Attn: Amy Roswick

5825 Triangle Drive, Suite 1

Raleigh, NC 27617

RE: Laboratory Results for
Project Number: NCUL214P7, Project Name/Desc: Bunn Dump NONCD0000312
ENCO Workorder(s): C307156

Dear Amy Roswick,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, June 13, 2013.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

PROJECT NARRATIVE

Client: Cardno MM&A (MA014)
Project: Bunn Dump NONCD0000312

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

The 5X dilutions for the target analyte Beryllium were performed due to matrix interference with it's internal standard. The 5X dilution for Iron in sample Well 7 was performed due to analyte concentration.

All acronyms, data flags and notes are defined on page 71 of this report with the exception of MDL (Method Detection Limit) and PQL (Practical Quantitation Limit). The MDL is a statical value that represents the minimum level at which the analyte can be detected with 99% confidence. The PQL (or MRL) is the lowest point of the calibration curve. ug/L = micrograms/liter, mg/L = milligrams/liter, RPD = Relative Percent Difference, DF = Dilution Factor, % Rec = Percent Recovery, EPA = United States Environmental Protection Agency.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: Well 2 | **Lab ID: C307156-01** | **Sampled: 06/12/13 09:55** | **Received: 06/13/13 08:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 17:21
EPA 350.1	07/10/13		06/20/13	13:01	6/20/2013 13:01
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 11:54
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:16
EPA 8260B	06/26/13		06/21/13	15:54	6/22/2013 12:55
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 18:37

Client ID: Well 2 | **Lab ID: C307156-01RE1** | **Sampled: 06/12/13 09:55** | **Received: 06/13/13 08:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 13:09

Client ID: Well 7 | **Lab ID: C307156-02** | **Sampled: 06/12/13 14:41** | **Received: 06/13/13 08:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 17:40
EPA 350.1	07/10/13		06/20/13	13:03	6/20/2013 13:03
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 11:58
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:19
EPA 8260B	06/26/13		06/21/13	15:54	6/22/2013 13:26
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 19:09

Client ID: Well 7 | **Lab ID: C307156-02RE1** | **Sampled: 06/12/13 14:41** | **Received: 06/13/13 08:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 13:13

Client ID: Well 8 | **Lab ID: C307156-03** | **Sampled: 06/12/13 10:30** | **Received: 06/13/13 08:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 17:58
EPA 350.1	07/10/13		06/20/13	13:05	6/20/2013 13:05
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 12:02
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:21
EPA 8260B	06/26/13		06/21/13	15:58	6/22/2013 03:59
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 19:41

Client ID: Well 8 | **Lab ID: C307156-03RE1** | **Sampled: 06/12/13 10:30** | **Received: 06/13/13 08:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 13:17

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Client ID: Well 10	Lab ID: C307156-04	Sampled: 06/12/13 13:42	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 18:17
EPA 350.1	07/10/13		06/20/13	13:07	6/20/2013 13:07
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 12:06
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:23
EPA 8260B	06/26/13		06/21/13	15:58	6/22/2013 04:28
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 20:13

Client ID: Well 10	Lab ID: C307156-04RE1	Sampled: 06/12/13 13:42	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13	06/13/13	09:52	6/20/2013 13:21

Client ID: Well 11	Lab ID: C307156-05	Sampled: 06/12/13 12:05	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 19:31
EPA 350.1	07/10/13		06/20/13	13:09	6/20/2013 13:09
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 12:10
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:26
EPA 8260B	06/26/13		06/21/13	15:58	6/22/2013 04:57
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 20:45

Client ID: Well 11	Lab ID: C307156-05RE1	Sampled: 06/12/13 12:05	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13	06/13/13	09:52	6/20/2013 13:25

Client ID: Well 23	Lab ID: C307156-06	Sampled: 06/12/13 11:30	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 19:49
EPA 350.1	07/10/13		06/20/13	13:15	6/20/2013 13:15
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 12:14
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:28
EPA 8260B	06/26/13		06/21/13	15:58	6/22/2013 10:51
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 21:17

Client ID: Well 23	Lab ID: C307156-06RE1	Sampled: 06/12/13 11:30	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13	06/13/13	09:52	6/20/2013 13:37

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Client ID: DUP-061213	Lab ID: C307156-07	Sampled: 06/12/13 10:35	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	07/10/13		06/17/13	08:18	6/17/2013 20:08
EPA 350.1	07/10/13		06/20/13	13:17	6/20/2013 13:17
EPA 353.2	03/07/16		06/18/13	11:37	6/18/2013 12:06
EPA 6020A	12/09/13		06/13/13	09:52	6/20/2013 12:18
EPA 7470A	07/10/13		06/18/13	10:06	6/19/2013 14:30
EPA 8260B	06/26/13		06/21/13	15:58	6/22/2013 11:21
EPA 8270D	06/19/13	07/27/13	06/17/13	20:55	6/24/2013 21:50

Client ID: DUP-061213	Lab ID: C307156-07RE1	Sampled: 06/12/13 10:35	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6020A	12/09/13	06/13/13	09:52	6/20/2013 13:41

Client ID: Trip Blank	Lab ID: C307156-08	Sampled: 06/12/13 09:55	Received: 06/13/13 08:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/26/13	06/21/13	15:58	6/22/2013 11:50

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SAMPLE DETECTION SUMMARY

Client ID: Well 2 **Lab ID: C307156-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	5.20		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	2.27		0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	0.604	J	0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	3.31		0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	1.2		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	12.0		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 2 **Lab ID: C307156-01RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.711	JD	0.500	5.00	ug/L	EPA 6020A	R-01

Client ID: Well 7 **Lab ID: C307156-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Bis(2-ethylhexyl)phthalate	2.1	J	1.7	5.0	ug/L	EPA 8270D	
Chromium - Total	0.643	J	0.450	1.00	ug/L	EPA 6020A	
Copper - Total	9.98		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	2.94		0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	17.6		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.374	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	0.24		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.2	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	45.4		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 7 **Lab ID: C307156-02RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	1740	D	60.0	250	ug/L	EPA 6020A	

Client ID: Well 8 **Lab ID: C307156-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	3.22		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	0.180	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	0.649	J	0.390	1.00	ug/L	EPA 6020A	
Nitrate as N	2.2		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	10.5		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 8 **Lab ID: C307156-03RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.546	JD	0.500	5.00	ug/L	EPA 6020A	R-01

Client ID: Well 10 **Lab ID: C307156-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	3.59		0.100	1.00	ug/L	EPA 6020A	
Iron - Total	150		12.0	50.0	ug/L	EPA 6020A	
Lead - Total	0.326	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	1.59		0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.161	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	0.90		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	4.22	J	0.790	5.00	ug/L	EPA 6020A	

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Client ID: Well 10 **Lab ID: C307156-04RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.904	JD	0.500	5.00	ug/L	EPA 6020A	R-01

Client ID: Well 11 **Lab ID: C307156-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	10.4		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	0.316	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	0.735	J	0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.677	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	0.14		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	413		0.790	5.00	ug/L	EPA 6020A	

Client ID: Well 23 **Lab ID: C307156-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	11.9		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	0.804	J	0.100	1.00	ug/L	EPA 6020A	
Manganese - Total	0.567	J	0.390	1.00	ug/L	EPA 6020A	
Nickel - Total	0.132	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	1.1		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.2	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	26.1		0.790	5.00	ug/L	EPA 6020A	

Client ID: DUP-061213 **Lab ID: C307156-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Copper - Total	7.69		0.100	1.00	ug/L	EPA 6020A	
Lead - Total	0.522	J	0.100	1.00	ug/L	EPA 6020A	
Nitrate as N	2.1		0.025	0.10	mg/L	EPA 353.2	
Sulfate as SO4	2.1	J	0.04	5.0	mg/L	EPA 300.0	
Zinc - Total	15.4		0.790	5.00	ug/L	EPA 6020A	

Client ID: DUP-061213 **Lab ID: C307156-07RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.560	JD	0.500	5.00	ug/L	EPA 6020A	

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ANALYTICAL RESULTS

Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21028	EPA 8260B	06/22/13 12:55	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21028	EPA 8260B	06/22/13 12:55	REF	

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Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*3F21028*	*EPA 8260B*	*06/22/13 12:55*	*REF*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*3F21028*	*EPA 8260B*	*06/22/13 12:55*	*REF*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*67-127*	*3F21028*	*EPA 8260B*	*06/22/13 12:55*	*REF*	

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Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	

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Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 18:37	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*82*	*1*	*100*	*82 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 18:37*	*DFM*	
2-Fluorobiphenyl	*39*	*1*	*50.0*	*77 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 18:37*	*DFM*	
2-Fluorophenol	*58*	*1*	*100*	*58 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 18:37*	*DFM*	
Nitrobenzene-d5	*36*	*1*	*50.0*	*72 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 18:37*	*DFM*	
Phenol-d5	*43*	*1*	*100*	*43 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 18:37*	*DFM*	
Terphenyl-d14	*46*	*1*	*50.0*	*91 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 18:37*	*DFM*	

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Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:16	T1D	

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Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Beryllium [7440-41-7] ^	**0.711**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:09	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Copper [7440-50-8] ^	**5.20**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Lead [7439-92-1] ^	**2.27**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Manganese [7439-96-5] ^	**0.604**	J	ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Nickel [7440-02-0] ^	**3.31**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	
Zinc [7440-66-6] ^	**12.0**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:54	VLO	

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Description: Well 2 | **Lab Sample ID:** C307156-01 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:01	JCS	
Nitrate as N [14797-55-8] ^	**1.2**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 17:21	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21028	EPA 8260B	06/22/13 13:26	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21028	EPA 8260B	06/22/13 13:26	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*51-122*	*3F21028*	*EPA 8260B*	*06/22/13 13:26*	*REF*	

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*3F21028*	*EPA 8260B*	*06/22/13 13:26*	*REF*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*67-127*	*3F21028*	*EPA 8260B*	*06/22/13 13:26*	*REF*	

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	**2.1**	J	ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:09	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*81*	*1*	*100*	*81 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 19:09*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*72 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 19:09*	*DFM*	
2-Fluorophenol	*53*	*1*	*100*	*53 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 19:09*	*DFM*	
Nitrobenzene-d5	*33*	*1*	*50.0*	*66 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 19:09*	*DFM*	
Phenol-d5	*40*	*1*	*100*	*40 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 19:09*	*DFM*	
Terphenyl-d14	*48*	*1*	*50.0*	*95 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 19:09*	*DFM*	

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:19	T1D	

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Beryllium [7440-41-7] ^	ND		ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:13	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Chromium [7440-47-3] ^	**0.643**	J	ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Copper [7440-50-8] ^	**9.98**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Iron [7439-89-6] ^	**1740**	D	ug/L	5	60.0	250	3F13010	EPA 6020A	06/20/13 13:13	VLO	
Lead [7439-92-1] ^	**2.94**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Manganese [7439-96-5] ^	**17.6**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Nickel [7440-02-0] ^	**0.374**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	
Zinc [7440-66-6] ^	**45.4**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 11:58	VLO	

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Description: Well 7 | **Lab Sample ID:** C307156-02 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 14:41 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:03	JCS	
Nitrate as N [14797-55-8] ^	**0.24**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.2**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 17:40	JCS	

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21029	EPA 8260B	06/22/13 03:59	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21029	EPA 8260B	06/22/13 03:59	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*3F21029*	*EPA 8260B*	*06/22/13 03:59*	*REF*	

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*68-117*	*3F21029*	*EPA 8260B*	*06/22/13 03:59*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*67-127*	*3F21029*	*EPA 8260B*	*06/22/13 03:59*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 19:41	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*86*	*1*	*100*	*86 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 19:41*	*DFM*	
2-Fluorobiphenyl	*42*	*1*	*50.0*	*84 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 19:41*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 19:41*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*79 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 19:41*	*DFM*	
Phenol-d5	*44*	*1*	*100*	*44 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 19:41*	*DFM*	
Terphenyl-d14	*50*	*1*	*50.0*	*100 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 19:41*	*DFM*	

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:21	T1D	

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Beryllium [7440-41-7] ^	**0.546**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:17	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Copper [7440-50-8] ^	**3.22**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Lead [7439-92-1] ^	**0.180**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Manganese [7439-96-5] ^	**0.649**	J	ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Nickel [7440-02-0] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	
Zinc [7440-66-6] ^	**10.5**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 12:02	VLO	

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Description: Well 8 | **Lab Sample ID:** C307156-03 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:05	JCS	
Nitrate as N [14797-55-8] ^	**2.2**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 17:58	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 10 | **Lab Sample ID:** C307156-04 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21029	EPA 8260B	06/22/13 04:28	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21029	EPA 8260B	06/22/13 04:28	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*3F21029*	*EPA 8260B*	*06/22/13 04:28*	*REF*	

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Description: Well 10 | **Lab Sample ID:** C307156-04 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*3F21029*	*EPA 8260B*	*06/22/13 04:28*	*REF*	
Toluene-d8	*50*	*1*	*50.0*	*100 %*	*67-127*	*3F21029*	*EPA 8260B*	*06/22/13 04:28*	*REF*	

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Description: Well 10 | **Lab Sample ID:** C307156-04 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	

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Description: Well 10 | **Lab Sample ID:** C307156-04 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:13	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*90*	*1*	*100*	*90 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 20:13*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*82 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 20:13*	*DFM*	
2-Fluorophenol	*58*	*1*	*100*	*58 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 20:13*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*79 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 20:13*	*DFM*	
Phenol-d5	*42*	*1*	*100*	*42 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 20:13*	*DFM*	
Terphenyl-d14	*50*	*1*	*50.0*	*100 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 20:13*	*DFM*	

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Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:23	T1D	

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Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Beryllium [7440-41-7] ^	**0.904**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:21	VLO	R-01
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Copper [7440-50-8] ^	**3.59**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Iron [7439-89-6] ^	**150**		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Lead [7439-92-1] ^	**0.326**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Manganese [7439-96-5] ^	**1.59**		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Nickel [7440-02-0] ^	**0.161**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	
Zinc [7440-66-6] ^	**4.22**	J	ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 12:06	VLO	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 10 | **Lab Sample ID:** C307156-04 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 13:42 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:07	JCS	
Nitrate as N [14797-55-8] ^	**0.90**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 18:17	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21029	EPA 8260B	06/22/13 04:57	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21029	EPA 8260B	06/22/13 04:57	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*3F21029*	*EPA 8260B*	*06/22/13 04:57*	*REF*	

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*68-117*	*3F21029*	*EPA 8260B*	*06/22/13 04:57*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*67-127*	*3F21029*	*EPA 8260B*	*06/22/13 04:57*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 20:45	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*92*	*1*	*100*	*92 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 20:45*	*DFM*	
2-Fluorobiphenyl	*42*	*1*	*50.0*	*84 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 20:45*	*DFM*	
2-Fluorophenol	*62*	*1*	*100*	*62 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 20:45*	*DFM*	
Nitrobenzene-d5	*41*	*1*	*50.0*	*82 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 20:45*	*DFM*	
Phenol-d5	*45*	*1*	*100*	*45 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 20:45*	*DFM*	
Terphenyl-d14	*50*	*1*	*50.0*	*100 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 20:45*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:26	T1D	

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Beryllium [7440-41-7] ^	ND		ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:25	VLO	
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Copper [7440-50-8] ^	**10.4**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Lead [7439-92-1] ^	**0.316**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Manganese [7439-96-5] ^	**0.735**	J	ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Nickel [7440-02-0] ^	**0.677**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	
Zinc [7440-66-6] ^	**413**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 12:10	VLO	

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Description: Well 11 | **Lab Sample ID:** C307156-05 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 12:05 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:09	JCS	
Nitrate as N [14797-55-8] ^	**0.14**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 19:31	JCS	

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21029	EPA 8260B	06/22/13 10:51	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21029	EPA 8260B	06/22/13 10:51	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*3F21029*	*EPA 8260B*	*06/22/13 10:51*	*REF*	

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*68-117*	*3F21029*	*EPA 8260B*	*06/22/13 10:51*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*67-127*	*3F21029*	*EPA 8260B*	*06/22/13 10:51*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:17	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*85*	*1*	*100*	*85 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 21:17*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*75 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 21:17*	*DFM*	
2-Fluorophenol	*59*	*1*	*100*	*59 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 21:17*	*DFM*	
Nitrobenzene-d5	*36*	*1*	*50.0*	*73 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 21:17*	*DFM*	
Phenol-d5	*44*	*1*	*100*	*44 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 21:17*	*DFM*	
Terphenyl-d14	*48*	*1*	*50.0*	*97 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 21:17*	*DFM*	

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:28	T1D	

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Beryllium [7440-41-7] ^	ND		ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:37	VLO	
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Copper [7440-50-8] ^	**11.9**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Lead [7439-92-1] ^	**0.804**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Manganese [7439-96-5] ^	**0.567**	J	ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Nickel [7440-02-0] ^	**0.132**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	
Zinc [7440-66-6] ^	**26.1**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 12:14	VLO	

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Description: Well 23 | **Lab Sample ID:** C307156-06 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 11:30 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:15	JCS	
Nitrate as N [14797-55-8] ^	**1.1**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.2**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 19:49	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DUP-061213 | **Lab Sample ID:** C307156-07 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:35 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21029	EPA 8260B	06/22/13 11:21	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21029	EPA 8260B	06/22/13 11:21	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*51-122*	*3F21029*	*EPA 8260B*	*06/22/13 11:21*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description:	DUP-061213	**Lab Sample ID:**	C307156-07	**Received:**	06/13/13 08:30
Matrix:	Ground Water	**Sampled:**	06/12/13 10:35	**Work Order:**	C307156
Project:	Bunn Dump NONCD0000312	**Sampled By:**	Amy Roswick		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*36*	*1*	*50.0*	*73 %*	*68-117*	*3F21029*	*EPA 8260B*	*06/22/13 11:21*	*REF*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*67-127*	*3F21029*	*EPA 8260B*	*06/22/13 11:21*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DUP-061213 | **Lab Sample ID:** C307156-07 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:35 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1'-Biphenyl [92-52-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,4-Dichlorophenol [120-83-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,4-Dimethylphenol [105-67-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,4-Dinitrophenol [51-28-5] ^	ND		ug/L	1	2.6	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,4-Dinitrotoluene [121-14-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2,6-Dinitrotoluene [606-20-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Chloronaphthalene [91-58-7] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Chlorophenol [95-57-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	ND		ug/L	1	2.9	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Methylnaphthalene [91-57-6] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Methylphenol [95-48-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Nitroaniline [88-74-4] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
2-Nitrophenol [88-75-5] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	ND		ug/L	1	3.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
3-Nitroaniline [99-09-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
4-Chloroaniline [106-47-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
4-Nitroaniline [100-01-6] ^	ND		ug/L	1	3.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
4-Nitrophenol [100-02-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Acenaphthene [83-32-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Acenaphthylene [208-96-8] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Acetophenone [98-86-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Anthracene [120-12-7] ^	ND		ug/L	1	1.6	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Atrazine [1912-24-9] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Benzaldehyde [100-52-7] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Benzo(a)anthracene [56-55-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Benzo(a)pyrene [50-32-8] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Benzo(b)fluoranthene [205-99-2] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	ND		ug/L	1	2.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Benzo(k)fluoranthene [207-08-9] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	ND		ug/L	1	1.7	5.0	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Butylbenzylphthalate [85-68-7] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Caprolactam [105-60-2] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Carbazole [86-74-8] ^	ND		ug/L	1	2.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Chrysene [218-01-9] ^	ND		ug/L	1	2.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	ND		ug/L	1	2.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Dibenzofuran [132-64-9] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Diethylphthalate [84-66-2] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Dimethylphthalate [131-11-3] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Di-n-butylphthalate [84-74-2] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Di-n-octylphthalate [117-84-0] ^	ND		ug/L	1	3.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Fluoranthene [206-44-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Fluorene [86-73-7] ^	ND		ug/L	1	1.7	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Hexachlorobenzene [118-74-1] ^	ND		ug/L	1	1.0	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Hexachlorobutadiene [87-68-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DUP-061213 | **Lab Sample ID:** C307156-07 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:35 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorocyclopentadiene [77-47-4] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Hexachloroethane [67-72-1] ^	ND		ug/L	1	1.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	ND		ug/L	1	2.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Isophorone [78-59-1] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Naphthalene [91-20-3] ^	ND		ug/L	1	1.3	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Nitrobenzene [98-95-3] ^	ND		ug/L	1	1.2	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	ND		ug/L	1	1.5	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Pentachlorophenol [87-86-5] ^	ND		ug/L	1	1.8	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Phenanthrene [85-01-8] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Phenol [108-95-2] ^	ND		ug/L	1	1.4	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	
Pyrene [129-00-0] ^	ND		ug/L	1	2.1	10	3F17029	EPA 8270D	06/24/13 21:50	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*81*	*1*	*100*	*81 %*	*28-130*	*3F17029*	*EPA 8270D*	*06/24/13 21:50*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*71 %*	*49-105*	*3F17029*	*EPA 8270D*	*06/24/13 21:50*	*DFM*	
2-Fluorophenol	*56*	*1*	*100*	*56 %*	*28-95*	*3F17029*	*EPA 8270D*	*06/24/13 21:50*	*DFM*	
Nitrobenzene-d5	*35*	*1*	*50.0*	*70 %*	*50-117*	*3F17029*	*EPA 8270D*	*06/24/13 21:50*	*DFM*	
Phenol-d5	*41*	*1*	*100*	*41 %*	*21-184*	*3F17029*	*EPA 8270D*	*06/24/13 21:50*	*DFM*	
Terphenyl-d14	*47*	*1*	*50.0*	*94 %*	*54-124*	*3F17029*	*EPA 8270D*	*06/24/13 21:50*	*DFM*	

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Description: DUP-061213 | **Lab Sample ID:** C307156-07 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:35 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	ND		ug/L	1	0.170	0.200	3F18010	EPA 7470A	06/19/13 14:30	T1D	

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Description: DUP-061213 | **Lab Sample ID:** C307156-07 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:35 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	ND		ug/L	1	0.220	2.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Arsenic [7440-38-2] ^	ND		ug/L	1	0.470	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Beryllium [7440-41-7] ^	**0.560**	JD	ug/L	5	0.500	5.00	3F13010	EPA 6020A	06/20/13 13:41	VLO	
Cadmium [7440-43-9] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Chromium [7440-47-3] ^	ND		ug/L	1	0.450	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Copper [7440-50-8] ^	**7.69**		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Iron [7439-89-6] ^	ND		ug/L	1	12.0	50.0	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Lead [7439-92-1] ^	**0.522**	J	ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Manganese [7439-96-5] ^	ND		ug/L	1	0.390	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Nickel [7440-02-0] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Selenium [7782-49-2] ^	ND		ug/L	1	0.910	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Silver [7440-22-4] ^	ND		ug/L	1	0.100	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Thallium [7440-28-0] ^	ND		ug/L	1	0.110	1.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	
Zinc [7440-66-6] ^	**15.4**		ug/L	1	0.790	5.00	3F13010	EPA 6020A	06/20/13 12:18	VLO	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: DUP-061213 | **Lab Sample ID:** C307156-07 | **Received:** 06/13/13 08:30

Matrix: Ground Water | **Sampled:** 06/12/13 10:35 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** Amy Roswick

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	ND		mg/L	1	0.045	0.10	3F20004	EPA 350.1	06/20/13 13:17	JCS	
Nitrate as N [14797-55-8] ^	**2.1**		mg/L	1	0.025	0.10	3F18020	EPA 353.2	06/18/13 12:06	JCS	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.04	5.0	3F17004	EPA 300.0	06/17/13 20:08	JCS	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Trip Blank | **Lab Sample ID:** C307156-08 | **Received:** 06/13/13 08:30

Matrix: Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	ND		ug/L	1	0.12	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	ND		ug/L	1	0.28	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,1,2-Trichloroethane [79-00-5] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,1-Dichloroethane [75-34-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,1-Dichloroethene [75-35-4] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	ND		ug/L	1	0.01	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2-Dibromoethane [106-93-4] ^	ND		ug/L	1	0.66	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2-Dichlorobenzene [95-50-1] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2-Dichloroethane [107-06-2] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,2-Dichloropropane [78-87-5] ^	ND		ug/L	1	0.10	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,3-Dichlorobenzene [541-73-1] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,4-Dichlorobenzene [106-46-7] ^	ND		ug/L	1	0.19	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
1,4-Dioxane [123-91-1] ^	ND		ug/L	1	25	60	3F21029	EPA 8260B	06/22/13 11:50	REF	
2-Butanone [78-93-3] ^	ND		ug/L	1	1.3	5.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
2-Hexanone [591-78-6] ^	ND		ug/L	1	0.88	5.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
4-Methyl-2-pentanone [108-10-1] ^	ND		ug/L	1	1.1	5.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Acetone [67-64-1] ^	ND		ug/L	1	1.2	5.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Benzene [71-43-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Bromochloromethane [74-97-5] ^	ND		ug/L	1	0.48	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Bromodichloromethane [75-27-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Bromoform [75-25-2] ^	ND		ug/L	1	0.22	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Bromomethane [74-83-9] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Carbon disulfide [75-15-0] ^	ND		ug/L	1	1.5	5.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Carbon Tetrachloride [56-23-5] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Chlorobenzene [108-90-7] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Chloroethane [75-00-3] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Chloroform [67-66-3] ^	ND		ug/L	1	0.18	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Chloromethane [74-87-3] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
cis-1,2-Dichloroethene [156-59-2] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Cyclohexane [110-82-7] ^	ND		ug/L	1	0.36	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Dibromochloromethane [124-48-1] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Dichlorodifluoromethane [75-71-8] ^	ND		ug/L	1	0.20	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Ethylbenzene [100-41-4] ^	ND		ug/L	1	0.13	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Freon 113 [76-13-1] ^	ND		ug/L	1	0.35	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Isopropylbenzene [98-82-8] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	ND		ug/L	1	0.17	2.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Methyl acetate [79-20-9] ^	ND		ug/L	1	0.51	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Methyl cyclohexane [108-87-2] ^	ND		ug/L	1	0.54	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Methylene Chloride [75-09-2] ^	ND		ug/L	1	0.23	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	ND		ug/L	1	0.16	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
o-Xylene [95-47-6] ^	ND		ug/L	1	0.06	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Styrene [100-42-5] ^	ND		ug/L	1	0.11	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Tetrachloroethene [127-18-4] ^	ND		ug/L	1	0.17	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Toluene [108-88-3] ^	ND		ug/L	1	0.14	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
trans-1,2-Dichloroethene [156-60-5] ^	ND		ug/L	1	0.21	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Trichloroethene [79-01-6] ^	ND		ug/L	1	0.15	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Trichlorofluoromethane [75-69-4] ^	ND		ug/L	1	0.24	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	
Vinyl chloride [75-01-4] ^	ND		ug/L	1	0.32	1.0	3F21029	EPA 8260B	06/22/13 11:50	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*3F21029*	*EPA 8260B*	*06/22/13 11:50*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Trip Blank | **Lab Sample ID:** C307156-08 | **Received:** 06/13/13 08:30

Matrix: Water | **Sampled:** 06/12/13 09:55 | **Work Order:** C307156

Project: Bunn Dump NONCD0000312 | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*3F21029*	*EPA 8260B*	*06/22/13 11:50*	*REF*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*67-127*	*3F21029*	*EPA 8260B*	*06/22/13 11:50*	*REF*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21028 - EPA 5030B_MS

Blank (3F21028-BLK1) Prepared: 06/21/2013 15:54 Analyzed: 06/22/2013 02:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.01	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
1,4-Dioxane	25	U	60	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon Tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Cyclohexane	0.36	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Freon 113	0.35	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methyl acetate	0.51	U	1.0	ug/L							
Methyl cyclohexane	0.54	U	1.0	ug/L							
Methylene Chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
o-Xylene	0.06	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21028 - EPA 5030B_MS

Blank (3F21028-BLK1) Continued Prepared: 06/21/2013 15:54 Analyzed: 06/22/2013 02:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*67-127*			

LCS (3F21028-BS1) Prepared: 06/21/2013 15:54 Analyzed: 06/22/2013 03:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	21		1.0	ug/L	20.0		106	81-134			
Chlorobenzene	22		1.0	ug/L	20.0		108	83-117			
Cyclohexane	23		1.0	ug/L	20.0		115	0-200			
Methyl acetate	35		1.0	ug/L	20.0		175	0-200			
Methyl cyclohexane	22		1.0	ug/L	20.0		108	0-200			
Toluene	21		1.0	ug/L	20.0		103	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	74-119			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*93*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*67-127*			

Matrix Spike (3F21028-MS1) Prepared: 06/21/2013 15:54 Analyzed: 06/22/2013 03:58

Source: C306188-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.21 U	124	75-133			
Benzene	23		1.0	ug/L	20.0	0.15 U	113	81-134			
Chlorobenzene	22		1.0	ug/L	20.0	0.17 U	111	83-117			
Cyclohexane	27		1.0	ug/L	20.0	0.36 U	134	0-200			
Methyl acetate	35		1.0	ug/L	20.0	0.51 U	174	0-200			
Methyl cyclohexane	25		1.0	ug/L	20.0	0.54 U	124	0-200			
Toluene	22		1.0	ug/L	20.0	0.14 U	108	71-118			
Trichloroethene	23		1.0	ug/L	20.0	0.15 U	114	74-119			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*91*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*85*	*67-127*			

Matrix Spike Dup (3F21028-MSD1) Prepared: 06/21/2013 15:54 Analyzed: 06/22/2013 04:28

Source: C306188-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0	0.21 U	125	75-133	0.8	20	
Benzene	23		1.0	ug/L	20.0	0.15 U	113	81-134	0.1	17	
Chlorobenzene	23		1.0	ug/L	20.0	0.17 U	113	83-117	2	16	
Cyclohexane	27		1.0	ug/L	20.0	0.36 U	136	0-200	2	50	
Methyl acetate	35		1.0	ug/L	20.0	0.51 U	173	0-200	0.9	50	
Methyl cyclohexane	25		1.0	ug/L	20.0	0.54 U	123	0-200	0.6	50	
Toluene	23		1.0	ug/L	20.0	0.14 U	113	71-118	4	17	
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	112	74-119	2	22	
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*83*	*67-127*			

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21028 - EPA 5030B_MS

Batch 3F21029 - EPA 5030B_MS

Blank (3F21029-BLK1) Prepared: 06/21/2013 15:58 Analyzed: 06/22/2013 01:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.01	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
1,4-Dioxane	25	U	60	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon Tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Cyclohexane	0.36	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Freon 113	0.35	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methyl acetate	0.51	U	1.0	ug/L							
Methyl cyclohexane	0.54	U	1.0	ug/L							
Methylene Chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
o-Xylene	0.06	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21029 - EPA 5030B_MS

Blank (3F21029-BLK1) Continued Prepared: 06/21/2013 15:58 Analyzed: 06/22/2013 01:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*83*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*99*	*67-127*			

LCS (3F21029-BS1) Prepared: 06/21/2013 15:58 Analyzed: 06/22/2013 02:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		93	75-133			
Benzene	18		1.0	ug/L	20.0		88	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Cyclohexane	21		1.0	ug/L	20.0		103	0-200			
Methyl acetate	28		1.0	ug/L	20.0		141	0-200			
Methyl cyclohexane	20		1.0	ug/L	20.0		100	0-200			
Toluene	20		1.0	ug/L	20.0		98	71-118			
Trichloroethene	18		1.0	ug/L	20.0		91	74-119			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*67-127*			

Matrix Spike (3F21029-MS1) Prepared: 06/21/2013 15:58 Analyzed: 06/22/2013 02:30

Source: C308192-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	96	75-133			
Benzene	18		1.0	ug/L	20.0	0.15 U	90	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	107	83-117			
Cyclohexane	21		1.0	ug/L	20.0	0.36 U	103	0-200			
Methyl acetate	30		1.0	ug/L	20.0	0.51 U	150	0-200			
Methyl cyclohexane	21		1.0	ug/L	20.0	0.54 U	107	0-200			
Toluene	20		1.0	ug/L	20.0	0.14 U	102	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	100	74-119			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*67-127*			

Matrix Spike Dup (3F21029-MSD1) Prepared: 06/21/2013 15:58 Analyzed: 06/22/2013 03:00

Source: C308192-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	89	75-133	7	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	91	81-134	0.3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	101	83-117	5	16	
Cyclohexane	19		1.0	ug/L	20.0	0.36 U	94	0-200	9	50	
Methyl acetate	27		1.0	ug/L	20.0	0.51 U	136	0-200	9	50	
Methyl cyclohexane	22		1.0	ug/L	20.0	0.54 U	108	0-200	1	50	
Toluene	20		1.0	ug/L	20.0	0.14 U	99	71-118	2	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	94	74-119	6	22	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 3F21029 - EPA 5030B_MS

Matrix Spike Dup (3F21029-MSD1) Continued Prepared: 06/21/2013 15:58 Analyzed: 06/22/2013 03:00

Source: C308192-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*89*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*67-127*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 3F17029 - EPA 3510C_MS

Blank (3F17029-BLK1) Prepared: 06/17/2013 17:36 Analyzed: 06/21/2013 18:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1'-Biphenyl	1.5	U	10	ug/L							
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							QV-01
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Atrazine	1.5	U	10	ug/L							
Benzaldehyde	1.4	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 3F17029 - EPA 3510C_MS

Blank (3F17029-BLK1) Continued Prepared: 06/17/2013 17:36 Analyzed: 06/21/2013 18:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Caprolactam	1.3	U	10	ug/L							
Carbazole	2.5	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Naphthalene	1.3	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
Pentachlorophenol	1.8	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*38*			*ug/L*	*50.0*		*77*	*49-105*			
Surrogate: 2-Fluorophenol	*57*			*ug/L*	*100*		*57*	*28-95*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.0*		*68*	*50-117*			
Surrogate: Phenol-d5	*44*			*ug/L*	*100*		*44*	*21-184*			
Surrogate: Terphenyl-d14	*50*			*ug/L*	*50.0*		*99*	*54-124*			

LCS (3F17029-BS1) Prepared: 06/17/2013 17:36 Analyzed: 06/21/2013 19:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0		75	62-95			
4-Chloro-3-methylphenol	41		10	ug/L	50.0		82	62-108			
4-Nitrophenol	33		10	ug/L	50.0		65	21-97			
Acenaphthene	42		10	ug/L	50.0		84	63-101			
N-Nitroso-di-n-propylamine	38		10	ug/L	50.0		75	57-106			
Pentachlorophenol	42		10	ug/L	50.0		85	25-120			
Phenol	26		10	ug/L	50.0		52	31-78			
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*42-123*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*83*	*49-105*			
Surrogate: 2-Fluorophenol	*62*			*ug/L*	*100*		*62*	*28-95*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*50-117*			
Surrogate: Phenol-d5	*50*			*ug/L*	*100*		*50*	*21-184*			
Surrogate: Terphenyl-d14	*45*			*ug/L*	*50.0*		*90*	*54-124*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 3F17029 - EPA 3510C_MS

Matrix Spike (3F17029-MS1) Prepared: 06/17/2013 17:36 Analyzed: 06/21/2013 19:41

Source: C307190-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0	1.2 U	74	62-95			
4-Chloro-3-methylphenol	42		10	ug/L	50.0	1.5 U	84	62-108			
4-Nitrophenol	36		10	ug/L	50.0	2.0 U	72	21-97			
Acenaphthene	43		10	ug/L	50.0	1.4 U	86	63-101			
N-Nitroso-di-n-propylamine	38		10	ug/L	50.0	1.5 U	76	57-106			
Pentachlorophenol	43		10	ug/L	50.0	1.8 U	87	25-120			
Phenol	26		10	ug/L	50.0	1.4 U	52	31-78			
Surrogate: 2,4,6-Tribromophenol	*94*			*ug/L*	*100*		*94*	*42-123*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*81*	*49-105*			
Surrogate: 2-Fluorophenol	*60*			*ug/L*	*100*		*60*	*28-95*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*75*	*50-117*			
Surrogate: Phenol-d5	*49*			*ug/L*	*100*		*49*	*21-184*			
Surrogate: Terphenyl-d14	*46*			*ug/L*	*50.0*		*92*	*54-124*			

Matrix Spike Dup (3F17029-MSD1) Prepared: 06/17/2013 17:36 Analyzed: 06/21/2013 20:13

Source: C307190-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	38		10	ug/L	50.0	1.2 U	77	62-95	3	28	
4-Chloro-3-methylphenol	42		10	ug/L	50.0	1.5 U	84	62-108	0.2	39	
4-Nitrophenol	34		10	ug/L	50.0	2.0 U	67	21-97	6	43	
Acenaphthene	43		10	ug/L	50.0	1.4 U	85	63-101	1	28	
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0	1.5 U	78	57-106	3	34	
Pentachlorophenol	43		10	ug/L	50.0	1.8 U	86	25-120	0.3	49	
Phenol	26		10	ug/L	50.0	1.4 U	52	31-78	0.7	29	
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*42-123*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*81*	*49-105*			
Surrogate: 2-Fluorophenol	*61*			*ug/L*	*100*		*61*	*28-95*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*75*	*50-117*			
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*21-184*			
Surrogate: Terphenyl-d14	*46*			*ug/L*	*50.0*		*93*	*54-124*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3F18010 - EPA 7470A

Blank (3F18010-BLK1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (3F18010-BS1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.48		0.200	ug/L	5.00		90	80-120			

Matrix Spike (3F18010-MS1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:49

Source: C306469-03

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 3F18010 - EPA 7470A

Matrix Spike (3F18010-MS1) Continued Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:49

Source: C306469-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.63		0.200	ug/L	5.00	0.170 U	93	75-125			

Matrix Spike Dup (3F18010-MSD1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:52

Source: C306469-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.53		0.200	ug/L	5.00	0.170 U	91	75-125	2	25	

Post Spike (3F18010-PS1) Prepared: 06/18/2013 10:06 Analyzed: 06/19/2013 13:54

Source: C306469-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.17		0.200	ug/L	5.00	-0.00700	84	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 3F13010 - EPA 3005A

Blank (3F13010-BLK1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Arsenic	0.470	U	1.00	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.100	U	1.00	ug/L							
Chromium	0.450	U	1.00	ug/L							
Copper	0.100	U	1.00	ug/L							
Iron	12.0	U	50.0	ug/L							
Lead	0.100	U	1.00	ug/L							
Manganese	0.390	U	1.00	ug/L							
Nickel	0.100	U	1.00	ug/L							
Selenium	0.910	U	1.00	ug/L							
Silver	0.100	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							
Zinc	0.790	U	5.00	ug/L							

LCS (3F13010-BS1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 10:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	195		2.00	ug/L	200		98	80-120			
Arsenic	190		1.00	ug/L	200		95	80-120			
Beryllium	200		1.00	ug/L	200		100	80-120			
Cadmium	191		1.00	ug/L	200		96	80-120			
Chromium	193		1.00	ug/L	200		96	80-120			
Copper	194		1.00	ug/L	200		97	80-120			
Iron	199		50.0	ug/L	200		99	80-120			
Lead	199		1.00	ug/L	200		99	80-120			
Manganese	192		1.00	ug/L	200		96	80-120			
Nickel	195		1.00	ug/L	200		97	80-120			
Selenium	205		1.00	ug/L	200		102	80-120			

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QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 3F13010 - EPA 3005A

LCS (3F13010-BS1) Continued Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 10:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	199		1.00	ug/L	200		100	80-120			
Thallium	191		1.00	ug/L	200		95	80-120			
Zinc	200		5.00	ug/L	200		100	80-120			

Matrix Spike (3F13010-MS1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:06

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	196		2.00	ug/L	200	0.835	97	75-125			
Arsenic	195		1.00	ug/L	200	0.470 U	97	75-125			
Beryllium	152		1.00	ug/L	200	0.950	75	75-125			
Cadmium	187		1.00	ug/L	200	0.215	93	75-125			
Chromium	193		1.00	ug/L	200	0.568	96	75-125			
Copper	192		1.00	ug/L	200	1.96	95	75-125			
Iron	198		50.0	ug/L	200	12.0 U	99	75-125			
Lead	193		1.00	ug/L	200	1.40	96	75-125			
Manganese	191		1.00	ug/L	200	0.516	95	75-125			
Nickel	191		1.00	ug/L	200	0.960	95	80-120			
Selenium	199		1.00	ug/L	200	0.910 U	100	75-125			
Silver	193		1.00	ug/L	200	1.03	96	75-125			
Thallium	185		1.00	ug/L	200	0.603	92	75-125			
Zinc	206		5.00	ug/L	200	11.6	97	75-125			

Matrix Spike Dup (3F13010-MSD1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:10

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	201		2.00	ug/L	200	0.835	100	75-125	3	20	
Arsenic	198		1.00	ug/L	200	0.470 U	99	75-125	2	20	
Beryllium	155		1.00	ug/L	200	0.950	77	75-125	2	20	
Cadmium	192		1.00	ug/L	200	0.215	96	75-125	3	20	
Chromium	194		1.00	ug/L	200	0.568	97	75-125	0.2	20	
Copper	194		1.00	ug/L	200	1.96	96	75-125	1	20	
Iron	204		50.0	ug/L	200	12.0 U	102	75-125	3	20	
Lead	198		1.00	ug/L	200	1.40	99	75-125	3	20	
Manganese	192		1.00	ug/L	200	0.516	96	75-125	0.6	20	
Nickel	192		1.00	ug/L	200	0.960	96	80-120	1	20	
Selenium	206		1.00	ug/L	200	0.910 U	103	75-125	3	20	
Silver	200		1.00	ug/L	200	1.03	99	75-125	3	20	
Thallium	190		1.00	ug/L	200	0.603	95	75-125	3	20	
Zinc	206		5.00	ug/L	200	11.6	97	75-125	0.01	20	

Post Spike (3F13010-PS1) Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:14

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	193		2.00	ug/L	200	0.835	96	80-120			
Arsenic	192		1.00	ug/L	200	0.183	96	80-120			
Beryllium	152		1.00	ug/L	200	0.950	75	80-120			QM-08
Cadmium	184		1.00	ug/L	200	0.215	92	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 3F13010 - EPA 3005A

Post Spike (3F13010-PS1) Continued Prepared: 06/13/2013 09:52 Analyzed: 06/20/2013 11:14

Source: C306469-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	184		1.00	ug/L	200	0.568	92	80-120			
Copper	183		1.00	ug/L	200	1.96	90	80-120			
Iron	189		50.0	ug/L	200	1.26	94	80-120			
Lead	188		1.00	ug/L	200	1.40	93	80-120			
Manganese	181		1.00	ug/L	200	0.516	90	80-120			
Nickel	181		1.00	ug/L	200	0.960	90	80-120			
Selenium	198		1.00	ug/L	200	-0.413	99	80-120			
Silver	193		1.00	ug/L	200	1.03	96	80-120			
Thallium	179		1.00	ug/L	200	0.603	89	80-120			
Zinc	196		5.00	ug/L	200	11.6	92	80-120			

Classical Chemistry Parameters - Quality Control

Batch 3F13008 - NO PREP

LCS (3F13008-BS1) Prepared: 06/13/2013 09:25 Analyzed: 06/13/2013 10:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.97		0.10	mg/L	1.00		97	90-110			

Matrix Spike (3F13008-MS1) Prepared: 06/13/2013 09:25 Analyzed: 06/13/2013 10:29

Source: C305604-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00	0.056	99	90-110			

Matrix Spike Dup (3F13008-MSD1) Prepared: 06/13/2013 09:25 Analyzed: 06/13/2013 10:29

Source: C305604-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.1		0.10	mg/L	1.00	0.056	100	90-110	2	10	

Batch 3F14015 - NO PREP

LCS (3F14015-BS1) Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.3		0.10	mg/L	1.25		101	90-110			

Matrix Spike (3F14015-MS1) Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:22

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.5		0.10	mg/L	0.513	1.0	95	90-110			

Matrix Spike Dup (3F14015-MSD1) Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:24

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 3F14015 - NO PREP

Matrix Spike Dup (3F14015-MSD1) Continued Prepared: 06/14/2013 10:22 Analyzed: 06/14/2013 12:24

Source: C305702-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.5		0.10	mg/L	0.513	1.0	95	90-110	0.2	10	

Batch 3F17004 - NO PREP

Blank (3F17004-BLK1) Prepared: 06/17/2013 08:18 Analyzed: 06/17/2013 10:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.04	U	5.0	mg/L							

LCS (3F17004-BS1) Prepared: 06/17/2013 08:18 Analyzed: 06/17/2013 09:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	48		5.0	mg/L	50.0		96	90-110			

Matrix Spike (3F17004-MS1) Prepared: 06/17/2013 08:18 Analyzed: 06/17/2013 20:26

Source: C306188-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	20		5.0	mg/L	20.0	2.8	84	90-110			QM-05

Matrix Spike Dup (3F17004-MSD1) Prepared: 06/17/2013 08:18 Analyzed: 06/17/2013 20:45

Source: C306188-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	19		5.0	mg/L	20.0	2.8	83	90-110	0.6	10	QM-05

Batch 3F20004 - NO PREP

Blank (3F20004-BLK1) Prepared: 06/20/2013 12:05 Analyzed: 06/20/2013 12:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.045	U	0.10	mg/L							

LCS (3F20004-BS1) Prepared: 06/20/2013 12:28 Analyzed: 06/20/2013 12:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.99		0.10	mg/L	1.00		99	90-110			

Matrix Spike (3F20004-MS1) Prepared: 06/20/2013 12:32 Analyzed: 06/20/2013 12:32

Source: C215847-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.36		0.10	mg/L	0.389	0.045 U	92	90-110			

Matrix Spike Dup (3F20004-MSD1) Prepared: 06/20/2013 12:34 Analyzed: 06/20/2013 12:34

Source: C215847-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 3F20004 - NO PREP

Matrix Spike Dup (3F20004-MSD1) Continued Prepared: 06/20/2013 12:34 Analyzed: 06/20/2013 12:34

Source: C215847-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.38		0.10	mg/L	0.389	0.045 U	97	90-110	5	10	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
ND	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name: MMdA	Project Number: NCUL 214 P7
Address: 5825 Triangle Dr. Site 1	Project Name/Desc: Bunn Dump (NONCD0000312)
City/ST/Zip: Raleigh NC 27617	PO # / Billing Info: NCUL214P7
Tel: 919-786-1414 Fax:	Reporting Contact: Amy Roswick
Sampler(s) Name, Affiliation (Print): Amy Roswick, MMdA	Billing Contact: "
Sampler(s) Signature: J Roswick	Site Location / Time Zone: Bunn, NC

Requested Analyses: 8260B TCL-VOCs; 8270D TCL-SVOCs; 15 Metals per contract including Hg; Ammonia 350.1; Nitrate 353.2; Sulfate 300

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C307155

Preservation (See Codes) (Combine as necessary): H; —; N; S; —

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	H	—	N	S	—	Sample Comments
	Well 2	6/12/13	0955	G	GW	7	3	1	1	1	1	3030C Prep Metals
	Well 7	6/12/13	1441	G	GW	7	3	1	1	1	1	
	Well 8	6/12/13	1030	G	GW	7	3	1	1	1	1	
	Well 10	6/12/13	1342	G	GW	7	3	1	1	1	1	NO TICs
	Well 11	6/12/13	1205	G	GW	7	3	1	1	1	1	
	Well 23	6/12/13	1130	G	GW	7	3	1	1	1	1	Short holds
	DUP-061213	6/12/13	1035	G	GW	7	3	1	1	1	1	
	TRIP BLANK	—	—	—	—	3	3					
						52	<-- Total # of Containers					

Sample Kit Prepared By	Date/Time	Relinquished By: J Roswick	Date/Time: 6/13/13 0830	Received By: [illegible]	Date/Time: 6.13.13 830
Comments/Special Reporting Requirements: Per terms of conditions, including payment, specified in Master Service Agreement dated 3/16/13. Analytical fees in accordance with Pre-Req. LF bid.		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-39 2.0°C C-807 2.4°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

APPENDIX D

Report Certification

REPORT CERTIFICATION

Document Name: Water Supply Well Sampling Report

Site Name: Bunn Dump

Site ID: NONCD0000312

Task Order: 312WS

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

Amy E. Roswick
Project Manager

A.E. Roswick
Signature

7/8/2013
Date

Before me personally appeared Amy E. Roswick to me known and known to me to be the person described in and who executed the foregoing instrument, and acknowledge to and before me that Amy E. Roswick executed said instrument for the purposes therein expressed.

Witness my hand and official seal this 8th day of July, 2013.

Kelly R. Lilley
Notary Public

8/4/17
My Commission Expires On

North Carolina
State Of

Wake
County Of

KELLY L. LILLEY NOTARY PUBLIC DURHAM COUNTY, NC

Official Seal