Hazardous Waste Section

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17

Your Name:	Rob McDaniel
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Facility Name:	Radiator Specialty Company
Document Group:	Groundwater (GW)
Document Type:	Groundwater Monitoring Report (GMR)
Description:	Annual Groundwater Quality Monitoring Report - 2015
Date of Doc:	7/20/2016
Author of Doc:	Stuart A. Kerkhoff

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RSC
Chemical Solutions
a division of Radiator Specialty Company

July 20, 2016

Ms. Julie Woosley, Chief
Hazardous Waste Section
Division of Waste Management
North Carolina Department of Environment
and Natural Resources
1646 Mail Service Center
Raleigh, North Carolina 27699

RE: Annual Groundwater Quality Monitoring Report - 2015
Radiator Specialty Company
Indian Trail, North Carolina
NCD 091 245 969

Dear Ms. Woosley:

Enclosed please find three (3) copies of Radiator Specialty Company's Annual Groundwater Quality Monitoring Report for the 2015 calendar year.

Radiator Specialty Company appreciates the North Carolina Department of Environment and Natural Resources cooperation and assistance in this matter. If you have any questions or require additional information, please call me at (704) 684-1815.

Sincerely,
Radiator Specialty Company

Stuart A. Kerkhoff, CHMM
Environmental, Health and Safety Manager

Attachments

PARTB\COVERLETTER.DOC

600 Radiator Road – Indian Trail, NC 28079-5225 – Telephone: 800-438-4532 – Fax: 704-684-1975 – www.rscbrands.com

RADIATOR SPECIALTY COMPANY

ANNUAL GROUNDWATER QUALITY MONITORING REPORT 2015

EPA ID NO. NCD 091 245 969

Prepared By:

Radiator Specialty Company
July 2016

RSC
Chemical Solutions
a division of Radiator Specialty Company

July 20, 2016

Ms. Julie S. Woosley, Chief
Hazardous Waste Section
Division of Waste Management
North Carolina Department of Environment
and Natural Resources
1646 Mail Service Center
Raleigh, North Carolina 27699

RE: Annual Groundwater Quality Monitoring Report - 2015
Radiator Specialty Company
Indian Trail, North Carolina
NCD 091 245 969

Dear Ms. Woosley:

Radiator Specialty Company respectfully submits for your review and comment this Annual Groundwater Quality Monitoring Report for the 2015 calendar year as required under Part I.H.2. of the Hazardous Waste Management Permit dated July 7, 2010. This report presents the methods and results of the requisite groundwater sampling event conducted in October and November 2015 at the Radiator Specialty Company (RSC) facility located on Radiator Road in Indian Trail, North Carolina.

In accordance with the conditions defined under Section IV.F. of the Hazardous Waste Management Permit, Radiator Specialty Company (RSC) conducted the annual groundwater sampling event at the Indian Trail, North Carolina Facility between October 29 and November 19, 2015.

In accordance with Condition IV.F.5. of the Permit, on October 29, 2015, prior to purging or collecting any groundwater samples, the water levels were measured in a total of thirty-one (31) monitor wells including the twenty-five (25) monitor wells defined in Appendix B of the Permit. Water level measurements are presented in Table 1. The groundwater recovery and treatment system was not operating at the time these measurements were collected.

Mr. Stuart Kerkhoff of RSC and Mr. Richard Harmon of Harmon Environmental, PA conducted the groundwater sampling activities in general accordance with the well purging and sampling procedures outlined in the approved Sampling and Analysis Plan.

As generated, purge water recovered from the wells was contained, treated and ultimately discharged via the on-site groundwater treatment system.

Background monitor well BG-1, compliance monitor wells ETE-2A and MW-2B, effectiveness monitor wells EM-5, EM-7 and EM-8 and monitor wells HT-2A, MW-12A and TB-3A were purged and sampled with bottom loading Teflon® bailers and new disposable nylon cord.

Monitor wells HT-4A, MW-17A and TB-2B were purged and sampled using a Grundfos® Redi-Flo 2 two (2) inch submersible pump equipped with new disposable ½-inch vinyl tubing.

Effectiveness monitor wells EM-4 and EM-9 and monitor well MW-24A were purged and sampled with a dedicated Grundfos® JetSub three (3) inch submersible pump equipped with one inch Schedule 80 PVC riser pipe.

Monitor well RW-4 was purged and sampled with a dedicated Grundfos® four (4) inch submersible pump equipped with one inch Schedule 80 PVC riser pipe.

The field parameters, pH, conductivity and temperature, were measured in the field at the time each sample was collected. The field instruments were calibrated on the mornings of October 30, November 6, 10, 11, 12, 16 and 18, 2015. The field parameter results are summarized in Table 2.

As collected, the samples were immediately placed in coolers on ice pending delivery to the analyzing laboratory. Chain-of-custody documentation protocol was implemented throughout the sampling event. Upon receipt, the groundwater samples were analyzed by Prism Laboratories, Inc. of Charlotte, North Carolina for the parameters outlined in Condition IV.B. on Table IV-I. A summary of the constituents present at concentrations above the groundwater protection standards defined in RSC's Permit are presented in Tables 3, 4 and 5. The complete analytical reports have been included in Attachment 1.

To comply with Condition IV.F.6. of the Permit, a shallow groundwater potentiometric map and groundwater velocity calculations have been presented in Attachment 2. This groundwater potentiometric map and the associated flow calculations were prepared by Harmon Environmental, PA based on July 2016 water level measurements. RSC collected water level measurements on October 29, 2015, however, the groundwater remediation system was not operational at the time these measurements were collected. Between September 2015 and July 2016, the groundwater remediation system has undergone extensive repair. On July 5, 2016, RSC restarted recovery well R-1 completing the restarting process for the groundwater remediation system. The groundwater levels used to generate the attached potentiometric map were collected on July 13, 2016, eight (8) days after the system restart was completed. The potentiometric

map and groundwater velocity calculations presented in Attachment 2 appear to represent the water table equilibrating to the influence of the operating recovery wells.

Historical groundwater elevation data collected from the monitor well network has been presented in a table included in Attachment 3. Further, graphical presentations of volatile organic compounds from historic analytical data have been presented in Attachment 4.

As allowed in Condition IV.F.8. of the Permit, the analytical data clearly indicates that the constituents levels are above the concentration limits specified in Table IV-I of the Permit. As a result, RSC has elected not to perform a statistical evaluation.

As required by Condition IV.I.2. of the Permit, the following paragraphs will discuss the effectiveness of RSC's corrective action program.

Normally, the groundwater remediation system operates twenty-four (24) hours a day, seven (7) days a week. However, in calendar year 2015, the groundwater remediation system experienced the following issues:

- January 1, 2015 through August 31, 2015 – The Programmable Logic Controller (PLC) failed. During this period, the PLC was repaired and the field wiring from each recovery well to the PLC was replaced.

- October 28, 2015 through November 10, 2015 – A system leak alarm shut the system down. A leak was never located, however, the system would not operate while the alarm was on.

The remediation system operated normally from September 1 to October 28 and from November 11 to December 31, 2015. RSC believes that when the groundwater remediation system is operational, it is effectively capturing the plume. As previously stated, the Potentiometric Map generated by Harmon Environmental, PA on July 13, 2016 (Attachment 2) appears to represent the water table equilibrating to the influence of the operating recovery wells. As a result, it is our opinion that with the exception of routine replacement of operating equipment, no improvements are necessary to the groundwater remediation system at this time.

As agreed to in a May 2, 2011 Letter from RSC to the DENR, RSC agreed to submit copies of its monthly discharge monitoring reports in the Annual Groundwater Quality Monitoring Report. Please find copies of the 2015 discharge monitoring reports in Attachment 5.

Vapor Extraction System 1 (VES-1) located in the vicinity of SWMU-3 (Tank Farm B) was operational in 2015. On August 5, 2013, RSC installed two additional vapor extraction points in the vicinity of SWMU-1. On May 1, 2015, RSC resumed operation of VES-1 from the new vapor extraction points.

Vapor Extraction System 2 (VES-2) located in the vicinity of SWMU-1 (Mixing Room) was operational in 2015 except during the following times.

- March 2, 2015 through December 31, 2015 – Blower failure. A new blower was installed and the system was returned to operation on May 1, 2016.

RSC has an on-going light NAPL monitoring and recovery program at SWMU-4 (Tank Farm C). RSC personnel check for the presence of light NAPL in the monitor wells located in Tank Farm C quarterly. If light NAPL is present, it is extracted from the monitor well and disposed of appropriately. In addition, RSC personnel monitor a sump installed in the vicinity of Tank Farm B on a daily basis. If light NAPL is detected in the sump, it is immediately recovered into an oil/water separator. RSC will continue its light NAPL monitoring and recovery program. A log of light NAPL extraction recovery is maintained in RSC's Environmental Department.

To comply with Condition II.E.3. of the Permit, Post-Closure Cost Estimates are submitted to the DENR on an annual basis under separate cover. RSC maintains a copy of the Cost Estimates as required by Condition II.H.3. of the Permit in the Environmental Department. The Cost Estimates are based on 2016 dollars and have been adjusted for inflation as required by Condition II.H.1. of the Permit.

In accordance with Condition I.E. of the Permit, a signed certification has been presented in Attachment 6.

Radiator Specialty Company appreciates your assistance in this matter. If you have any questions or require additional information, please call me at (704) 684-1815.

Sincerely,
Radiator Specialty Company

Stuart A. Kerkhoff, CHMM
Environmental, Health and Safety Manager

Attachments

cc: Richard L. Harmon, Harmon Environmental, PA
Benne Hutson, McGuireWoods, LLP
Ronald M. Weiner, Radiator Specialty Company

TABLES

TABLE 1

WATER LEVEL MEASUREMENTS

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT

Well No.	Date Measured	Top of Casing Elevation	Well Depth (feet)	Depth to Groundwater (feet)	Groundwater Elevation
TB-4	7/13/2016	671.06	32.69	10.59	660.47
TB-2B	7/13/2016	669.76	203.40	9.22	660.54
HT-2	7/13/2016	682.82	21.05	19.55	663.27
HT-4	7/13/2016	683.38	21.55	DRY	661.83
MW-11	7/13/2016	672.88	22.17	DRY	650.71
MW-11A	7/13/2016	672.96	157.40	28.81	644.15
MW-23A	7/13/2016	660.64	340.00	31.62	629.02
MW-24A	7/13/2016	663.12	380.00	14.55	648.57
MW-2D	7/13/2016	680.51	487.00	24.71	655.80
HT-1A	7/13/2016	679.15	150.04	23.40	655.75
ETE-2A	7/13/2016	680.76	54.55	38.18	642.58
EM-8	7/13/2016	653.56	32.72	19.34	634.22
HT-4A	7/13/2016	683.37	81.77	36.48	646.89
BG-1	7/13/2016	687.72	38.37	31.36	656.36
R-2	7/13/2016	667.32	500.00	19.62	647.70
EM-9	7/13/2016	653.56	224.46	19.33	634.23
EM-4	7/13/2016	680.17	264.81	43.64	636.53
EM-7	7/13/2016	659.37	31.27	14.64	644.73
RW-4	7/13/2016	661.21	500.00	74.42	586.79
HT-2A	7/13/2016	682.68	151.68	34.92	647.76
MW-12	7/13/2016	681.25	22.58	DRY	658.67
R-3	7/13/2016	677.87	500.00	44.47	633.40
TB-3A	7/13/2016	672.75	32.71	17.35	655.40
MW-17A	7/13/2016	679.88	103.65	42.03	637.85
R-1	7/13/2016	679.50	110.00	72.57	606.93
MW-15	7/13/2016	691.09	30.98	DRY	660.11
MW-2B	7/13/2016	679.05	190.81	25.24	653.81
EM-5	7/13/2016	675.08	32.82	32.62	642.46
MW-12A	7/13/2016	681.67	102.20	35.42	646.25
MW-13	7/13/2016	683.11	22.59	DRY	660.52
MW-14	7/13/2016	684.51	20.80	9.63	674.88

NOTE: Depth to Groundwater Measurement taken from Top of Casing.

MW-14 Groundwater Elevation has been corrected for the presence of NAPL by using the specific gravity of 0.85.

TABLE 2

FIELD PARAMETERS AND SAMPLE RECORD

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT

DATE	WELL NUMBER	TIME	SAMPLE DEVICE	pH	TEMP. DEG. C	CONDUCT. (MS/CM)
10/30/2015	EM-4	13:50	3" Pump	7.40	21.6	0.34
10/30/2015	ETE-2A	14:54	Teflon Bailer	7.60	20.9	0.41
10/30/2015	RW-4	15:32	4" Pump	7.80	20.6	0.42
11/6/2015	MW-24A	10:00	3" Pump	8.30	17.6	0.32
11/6/2015	EM-7	10:25	Teflon Bailer	7.32	18.1	0.32
11/6/2015	BG-1	10:50	Teflon Bailer	6.91	18.2	0.88
11/10/2015	TB-2B	11:07	2" Pump	7.45	17.6	0.89
11/10/2015	TB-3A	11:55	Teflon Bailer	7.06	17.7	0.83
11/11/2015	HT-4A	11:05	2" Pump	7.44	22.4	0.30
11/12/2015	HT-2A	9:20	Teflon Bailer	8.00	17.9	0.35
11/12/2015	EM-9	12:55	3" Pump	7.87	19.4	0.44
11/12/2015	EM-8	13:05	Teflon Bailer	7.19	20.2	0.20
11/16/2015	MW-17A	14:10	2" Pump	7.57	20.7	0.56
11/16/2015	EM-5	14:40	Teflon Bailer	7.37	20.6	0.27
11/18/2015	MW-2B	10:15	Teflon Bailer	7.84	18.0	0.55
11/19/2015	MW-12A	8:53	Teflon Bailer	6.87	18.8	1.38

TABLE 3

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT
TOTAL METALS CONCENTRATION

WELL NO.	ETE-2A	EM-7	BG-1	TB-3A	HT-4A	EM-9	EM-8	EM-5	MW-2B	MW-12A
Arsenic	<10	<10	<10	<10	<10	<10	44	<10	320	NA
Cadmium	<2	<2	<2	<2	<2	<2	9.1	<2	<2	NA
Chromium	<10	<10	<10	25	<10	<10	95	<10	<10	NA
Lead	<15	<15	<15	<15	<15	<15	120	<15	<15	NA
Chloride	<250,000	NA	<250,000	NA	NA	NA	NA	NA	<250,000	NA
Dioxin ***	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND

Concentrations are in ug/L

NA: Not Analyzed
ND: Not Detected
*** Measured in pg/L (picogram/Liter)

NOTE: This table is for constituents present at concentrations above the groundwater protection standard in RSC's Permit. For a full list of analytical results, see Attachment 1.

TABLE 4

PARTB/TAB4-1015.XLSX

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS

WELL NO.	RSC PERMIT LIMITS	EM-4	ETE-2A	RW-4	MW-24A	EM-7	BG-1	TB-2B	TB-3A	HT-4A
Benzene	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.87	0.56
Chloromethane	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	100	<100	<100	<100	<100	<100	<100	<100	<100	<100
4-Chlorotoluene	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane	---	4	<1	7.3	<1	<1	3.9	<1	2.7	1.1
Cis-1,2-Dichloroethene	70	<70	<70	<70	<70	<70	<70	<70	<70	<70
1, 1-Dichloroethane	6	110	<6	36	<6	<6	<6	<6	60	29
1, 1-Dichloroethene	7	43	<7	21	<7	<7	9.8	<7	460	22
1, 2-Dichloroethane	0.4	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	<0.5
1, 4-Dioxane	3	130	20	35	<3	<3	3.5	<3	210	18
Isopropylbenzene (Cumene)	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Isopropyltoluene	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Butyl Ketone	---	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene	---	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	6	<6	<6	<6	<6	<6	<6	<6	<6	<6
sec-Butylbenzene	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.7	4.6	<0.7	140	<0.7	<0.7	33	<0.7	11	2.1
Trichloroethene	3	9.3	<3	6.5	<3	<3	24	<3	11	<3
Trichlorofluoromethane	---	0.93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40	0.93
1,2,4-Trimethylbenzene	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	0.03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total:		**303**	**20**	**246**	**---**	**---**	**74**	**---**	**798**	**74**

Concentrations are in ug/L

NOTE: This table is for constituents present at concentrations above the groundwater protection standard in RSC's Permit.
For a full list of analytical results, see Attachment 1.

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS

WELL NO.	RSC PERMIT LIMITS	HT-2A	EM-9	EM-8	MW-17A	EM-5	MW-2B
Benzene	1	<1	<1	<1	37	<100	280
Carbon Tetrachloride	---	<0.5	<0.5	<0.5	<0.5	<50	<0.5
Chlorobenzene	---	<0.5	<0.5	<0.5	<0.5	<50	<0.5
Chloroform	---	<0.5	<0.5	<0.5	<0.5	<50	<0.5
Chloromethane	---	<0.5	<0.5	<0.5	<0.5	<50	<0.5
2-Chlorotoluene	100	<100	<100	<100	350	<10,000	990J
4-Chlorotoluene	5	<5	<5	<5	<5	<500	13
Dichlorodifluoromethane	---	1.4	1.6	<1	15	<100	17
Cis-1,2-Dichloroethene	70	<70	<70	<70	150J	270J	140J
1, 1-Dichloroethane	6	99	28	8	390	<600	830
1, 1-Dichloroethene	7	84	18	<7	120	<700	140J
1, 2-Dichloroethane	0.4	0.70	<0.5	<0.5	14	<50	25
1, 4-Dioxane	3	38	6.5	3.3	2,300J	<15,000	1,200A
Isopropylbenzene (Cumene)	---	<0.5	<0.5	<0.5	<0.5	<50	3.1
4-Isopropyltoluene	---	<0.5	<0.5	<0.5	<0.5	<50	0.59
Methylene chloride	5	<5	<5	<5	<5	<500	270
Methyl Butyl Ketone	---	<5	<5	<5	<5	<500	<5
4-Methyl-2-pentanone	5	<5	<5	<5	<5	<500	61
n-Butylbenzene	---	<1	<1	<1	<1	<100	0.64J
n-Propylbenzene	---	<0.5	<0.5	<0.5	<0.5	<50	1.4
Naphthalene	6	<6	<6	<6	<6	<100	<6
sec-Butylbenzene	---	<0.5	<0.5	<0.5	0.53	<50	0.82
Tetrachloroethene	0.7	5.1	5.4	0.9	10	55,000	2.8
Trichloroethene	3	4.8	<3	<3	19	140J	14
Trichlorofluoromethane	---	<0.5	<0.5	0.6	<0.5	<50	<0.5
1,2,4-Trimethylbenzene	---	<0.5	<0.5	<0.5	<0.5	<50	8
1,3,5-Trimethylbenzene	---	<0.5	<0.5	<0.5	<0.5	<50	3
Vinyl chloride	0.03	1.1	<0.5	<0.5	210	<50	74
Total:		234	60	13	3,616	55,410	4,074

Concentrations are in ug/L

J: Compound concentrations for the 8260 analysis are reported down to the permit limit. If the permit limit for an individual compound is less than the 8260 reporting limit (RL), then concentrations are reported as a J-flag down to the method detection limit (MDL).

A: Estimated concentration just above the calibration range of 1,000 ug/mL.

NOTE: This table is for constituents present at concentrations above the groundwater protection standard in RSC's Permit. For a full list of analytical results, see Attachment 1.

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT
VOLATILE ORGANIC COMPOUNDS

WELL NO.	RSC PERMIT LIMITS	TRIP BLANK 101615-04	TRIP BLANK 101615-01	FIELD BLANK #1	FIELD BLANK #2
Benzene	1	<1	<1	<1	<1
Carbon Tetrachloride	---	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	---	<0.5	<0.5	<0.5	<0.5
Chloroform	---	<0.5	<0.5	<0.5	<0.5
Chloromethane	---	<0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	100	<100	<100	<100	<100
4-Chlorotoluene	5	<5	<5	<5	<5
Dichlorodifluoromethane	---	<1	<1	<1	<1
Cis-1,2-Dichloroethene	70	<70	<70	<70	<70
1, 1-Dichloroethane	6	<6	<6	<6	<6
1, 1-Dichloroethene	7	<7	<7	<7	<7
1, 2-Dichloroethane	0.4	<0.5	<0.5	<0.5	<0.5
1, 4-Dioxane	3	42J	<150	<150	<150
Isopropylbenzene (Cumene)	---	<0.5	<0.5	<0.5	<0.5
4-Isopropyltoluene	---	<0.5	<0.5	<0.5	<0.5
Methylene chloride	5	<5	<5	<5	<5
Methyl Butyl Ketone	---	<5	<5	<5	<5
4-Methyl-2-pentanone	5	<5	<5	<5	<5
n-Butylbenzene	---	<1	<1	<1	<1
n-Propylbenzene	---	<0.5	<0.5	<0.5	<0.5
Naphthalene	6	<6	<6	<6	<6
sec-Butylbenzene	---	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.7	<0.7	<0.7	<0.7	<0.7
Trichloroethene	3	<3	<3	<3	<3
Trichlorofluoromethane	---	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	---	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	---	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	0.03	<0.5	<0.5	<0.5	<0.5
Total:		**42**	**---**	**---**	**---**

Concentrations are in ug/L

J: Compound concentrations for the 8260 analysis are reported down to the permit limit. If the permit limit for an individual compound is less than the 8260 reporting limit (RL), then concentrations are reported as a J-flag down to the method detection limit (MDL).

NOTE: This table is for constituents present at concentrations above the groundwater protection standard in RSC's Permit. For a full list of analytical results, see Attachment 1.

TABLE 5

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
OCTOBER 29, 2015 - NOVEMBER 19, 2015 SAMPLING EVENT
SEMIVOLATILE ORGANIC COMPOUNDS

WELL NO.	RSC PERMIT LIMITS	ETE-2A	BG-1	MW-2B
2-Methylphenol	10	<10	<10	12
Total:		---	---	12

Concentrations are in ug/L

NOTE:
This table is for constituents present at concentrations above the groundwater protection standard in RSC's Permit. For a full list of analytical results, see Attachment 1.

Sample Collection Log Form
Radiator Specialty Company

Date	Well No.	Depth of Well	Depth to Water	Length of Water Column	Volume of Water	Date Well Purged	Volume Purged (Gallons)	Top of Casing Elevation	Water Elevation	Equipment Used	Date Sampled	pH	SC mS/cm	C
07/13/16	MW-24A	380.00	14.55	365.45	238.57	11/05/15	90 To Dry	663.12	648.57	3" Pump	11/06/15	8.30	0.32	17.6
07/13/16	TB-2B	203.40	9.22	194.18	31.69	11/10/15	15.25 To Dry	669.76	660.54	2" Pump	11/10/15	7.45	0.89	17.6
07/13/16	ETE-2A	54.55	38.18	16.37	2.67	10/30/15	15	680.76	642.58	Teflon Bailer	10/30/15	7.60	0.41	20.9
07/13/16	EM-8	32.72	19.34	13.38	2.18	11/12/15	8	653.56	634.22	Teflon Bailer	11/12/15	7.19	0.20	20.2
07/13/16	HT-4A	81.77	36.48	45.29	7.39	11/11/15	25	683.37	646.89	2" Pump	11/11/15	7.44	0.30	22.4
07/13/16	BG-1	38.37	31.36	7.01	1.14	11/05/15	2.25 To Dry	687.72	656.36	Teflon Bailer	11/06/15	6.91	0.88	18.2
07/13/16	EM-9	224.46	19.33	205.13	133.91	11/12/15	410	653.56	634.23	3" Pump	11/12/15	7.87	0.44	19.4
07/13/16	EM-4	264.81	43.64	221.17	144.38	10/30/15	455	680.17	636.53	3" Pump	10/30/15	7.40	0.34	21.6
07/13/16	EM-7	31.27	14.64	16.63	2.71	11/05/15	12	659.37	644.73	Teflon Bailer	11/06/15	7.32	0.32	18.1
07/13/16	RW-4	500.00	74.42	425.58	1,111.27	10/30/15	3,800	661.21	586.79	4" Pump	10/30/15	7.80	0.42	20.6
07/13/16	HT-2A	151.68	34.92	116.76	19.06	11/11/15	24 To Dry	682.68	647.76	Teflon Bailer	11/12/15	8.00	0.35	17.9
07/13/16	TB-3A	32.71	17.35	15.36	2.51	11/10/15	6.5	672.75	655.40	Teflon Bailer	11/10/15	7.06	0.83	17.7
07/13/16	MW-17A	103.65	42.03	61.62	10.06	11/16/15	35	679.88	637.85	2" Pump	11/16/15	7.57	0.56	20.7
07/13/16	MW-2B	190.81	25.24	165.57	27.02	11/17/15	30.5 To Dry	679.05	653.81	Teflon Bailer	11/18/15	7.84	0.55	18.0

Notes: pH = Standard pH units; SC = Specific Conductance; C = Temperature in Celsius

Weather Conditions:

10/29 am: Partly Cloudy, 57 F
pm: Cloudy, 71 F

10/30 am: Sunny, 54 F
11/5 pm: Cloundy, 70 F

11/6 am: Drizzle to Rain to Cloudy, 67 F

11/10 am: Cloudy, 55 F
pm: Sunny, 68 F

11/11 am: Sunny, 51 F

Remarks:

BG-1: Sand present in all sample bottles.
TB-3A: Sand present in all sample bottles.
EM-8: Sand present in all sample bottles.

HT-2A: Sand present in alll sample bottles.
EM-5: Sand present in all sample bottles.

Sample Collection Log Form
Radiator Specialty Company

Date	Well No.	Depth of Well	Depth to Water	Length of Water Column	Volume of Water	Date Well Purged	Volume Purged (Gallons)	Top of Casing Elevation	Water Elevation	Equipment Used	Date Sampled	pH	SC mS/cm	C
07/13/16	EM-5	32.82	32.62	0.20	0.03	11/16/15	5	675.08	642.46	Teflon Bailer	11/16/15	7.37	0.27	20.6
07/13/16	MW-12A	102.20	35.42	66.78	10.90	11/18/15	25.25 To Dry	681.67	646.25	Teflon Bailer	11/19/15	6.87	1.38	18.8

Notes: pH = Standard pH units; SC = Specific Conductance; C = Temperature in Celsius

Weather Conditions:

11/12 am: Sunny, 56 F
pm: Sunny, 72 F

11/16 pm: Sunny, 62 F
11/17 pm: Partly Cloudy, 66 F

11/18 am: Cloudy, 61 F
pm: Cloudy, 71 F

11/19 am: Cloudy, 65 F

Remarks:

Sample Collection Certification Form

I have read and am familiar with the *Groundwater Sampling and Analysis Plan* for Radiator Specialty Company. All samples will be collected in accordance with the procedures and protocols discussed therein.

Name	*Date*
1. Stuart Kelly	10/26/15
2. [signature]	11/11/15
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

ATTACHMENT 1

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

11/23/2015

Radiator Specialty Co
Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Lab Submittal Date: 11/02/2015
Prism Work Order: 5110026

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

RECEIVED
DEC - 3 2015
By_____

Narrative Notes:

Compound concentrations are reported down to the permit limit. If the permit limit for an individual compound is less than the reporting limit (RL), then the concentrations are reported with a J-Flag down to the Method Detection Limit (MDL).

ease call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L1	LCS recovery outside of the QC limits. LCSD recovery within the limits. No further action taken.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

11/23/2015

Prism Work Order: 5110026

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
EM-4	5110026-01	Water	10/30/15	11/02/15
ETE-2A	5110026-02	Water	10/30/15	11/02/15
RW-4	5110026-03	Water	10/30/15	11/02/15

Samples were received in good condition at 3.9 degrees C unless otherwise noted.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

11/23/2015

Prism Work Order: 5110026

Prism ID	Client ID	Parameter	Method	Result		Units
5110026-01	EM-4	1,1,1-Trichloroethane	8260B	4.5	J	ug/L
5110026-01	EM-4	1,1-Dichloroethane	8260B	110		ug/L
5110026-01	EM-4	1,1-Dichloroethylene	8260B	43		ug/L
5110026-01	EM-4	1,2-Dichloroethane	8260B	1.1		ug/L
5110026-01	EM-4	Chloroethane	8260B	1.2	J	ug/L
5110026-01	EM-4	cis-1,2-Dichloroethylene	8260B	46	J	ug/L
5110026-01	EM-4	Dichlorodifluoromethane	8260B	4.0		ug/L
5110026-01	EM-4	Tetrachloroethylene	8260B	4.6		ug/L
5110026-01	EM-4	trans-1,2-Dichloroethylene	8260B	8.7	J	ug/L
5110026-01	EM-4	Trichloroethylene	8260B	9.3		ug/L
5110026-01	EM-4	Trichlorofluoromethane	8260B	0.93		ug/L
5110026-01	EM-4	1,4-Dioxane	*8260B SIM	130		ug/L
5110026-02	ETE-2A	1,1,1-Trichloroethane	8260B	1.2	J	ug/L
5110026-02	ETE-2A	1,1-Dichloroethane	8260B	3.7	J	ug/L
5110026-02	ETE-2A	1,1-Dichloroethylene	8260B	2.1	J	ug/L
5110026-02	ETE-2A	cis-1,2-Dichloroethylene	8260B	2.0	J	ug/L
5110026-02	ETE-2A	1,4-Dioxane	*8260B SIM	20		ug/L
5110026-03	RW-4	1,1,1-Trichloroethane	8260B	2.6	J	ug/L
5110026-03	RW-4	1,1-Dichloroethane	8260B	36		ug/L
5110026-03	RW-4	1,1-Dichloroethylene	8260B	21		ug/L
10026-03	RW-4	cis-1,2-Dichloroethylene	8260B	33	J	ug/L
5110026-03	RW-4	Dichlorodifluoromethane	8260B	7.3		ug/L
5110026-03	RW-4	Tetrachloroethylene	8260B	140		ug/L
5110026-03	RW-4	trans-1,2-Dichloroethylene	8260B	1.4	J	ug/L
5110026-03	RW-4	Trichloroethylene	8260B	6.5		ug/L
5110026-03	RW-4	1,4-Dioxane	*8260B SIM	35		ug/L

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-4
Prism Sample ID: 5110026-01
Prism Work Order: 5110026
Time Collected: 10/30/15 13:50
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 19:28	CGP	P5K0238
1,1,1-Trichloroethane	**4.5 J**	**ug/L**	**200**	**0.061**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/11/15 19:28	CGP	P5K0238
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/11/15 19:28	CGP	P5K0238
1,1-Dichloroethane	**110**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
1,1-Dichloroethylene	**43**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:28	CGP	P5K0238
1,2-Dichloroethane	**1.1**	**ug/L**	**0.50**	**0.066**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 19:28	CGP	P5K0238
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:28	CGP	P5K0238
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 19:28	CGP	P5K0238
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/11/15 19:28	CGP	P5K0238
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/11/15 19:28	CGP	P5K0238
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/11/15 19:28	CGP	P5K0238
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/11/15 19:28	CGP	P5K0238
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/11/15 19:28	CGP	P5K0238
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/11/15 19:28	CGP	P5K0238
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/11/15 19:28	CGP	P5K0238
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/11/15 19:28	CGP	P5K0238
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/11/15 19:28	CGP	P5K0238
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/11/15 19:28	CGP	P5K0238
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/11/15 19:28	CGP	P5K0238
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/11/15 19:28	CGP	P5K0238
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/11/15 19:28	CGP	P5K0238
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 19:28	CGP	P5K0238
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/11/15 19:28	CGP	P5K0238
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/11/15 19:28	CGP	P5K0238
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/11/15 19:28	CGP	P5K0238
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 19:28	CGP	P5K0238
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 19:28	CGP	P5K0238
Chloroethane	**1.2 J**	**ug/L**	**3000**	**0.22**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:28	CGP	P5K0238
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/11/15 19:28	CGP	P5K0238
cis-1,2-Dichloroethylene	**46 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/11/15 19:28	CGP	P5K023[illegible]

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ɔdiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-4
Prism Sample ID: 5110026-01
Prism Work Order: 5110026
Time Collected: 10/30/15 13:50
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/11/15 19:28	CGP	P5K0238
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/11/15 19:28	CGP	P5K0238
Dichlorodifluoromethane	**4.0**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/11/15 19:28	CGP	P5K0238
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/11/15 19:28	CGP	P5K0238
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/11/15 19:28	CGP	P5K0238
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 19:28	CGP	P5K0238
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/11/15 19:28	CGP	P5K0238
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/11/15 19:28	CGP	P5K0238
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/11/15 19:28	CGP	P5K0238
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/11/15 19:28	CGP	P5K0238
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/11/15 19:28	CGP	P5K0238
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/11/15 19:28	CGP	P5K0238
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/11/15 19:28	CGP	P5K0238
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/11/15 19:28	CGP	P5K0238
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:28	CGP	P5K0238
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/11/15 19:28	CGP	P5K0238
Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/11/15 19:28	CGP	P5K0238
Tetrachloroethylene	**4.6**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/11/15 19:28	CGP	P5K0238
trans-1,2-Dichloroethylene	**8.7 J**	**ug/L**	**100**	**0.094**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/11/15 19:28	CGP	P5K0238
Trichloroethylene	**9.3**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
Trichlorofluoromethane	**0.93**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**11/11/15 19:28**	**CGP**	**P5K0238**
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/11/15 19:28	CGP	P5K0238
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/11/15 19:28	CGP	P5K0238
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/11/15 19:28	CGP	P5K0238

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*102 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**130**	**ug/L**	**3.0**	**0.52**	**1**	***8260B SIM**	**11/12/15 7:33**	**ANG**	**P5K0228**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: ETE-2A
Prism Sample ID: 5110026-02
Prism Work Order: 5110026
Time Collected: 10/30/15 14:54
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	BRL	mg/L	250	0.078	1	*9056A	11/4/15 18:29	CDE	P5K0123
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	11/6/15 19:08	JMV	P5K0125
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	11/6/15 19:08	JMV	P5K0125
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
2,4-Dimethylphenol	BRL	ug/L	100	2.3	1	8270D	11/6/15 19:08	JMV	P5K0125
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	11/6/15 19:08	JMV	P5K0125
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	11/6/15 19:08	JMV	P5K0125
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	11/6/15 19:08	JMV	P5K0125
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
2-Methylnaphthalene	BRL	ug/L	30	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	11/6/15 19:08	JMV	P5K0125
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
3/4-Methylphenol	BRL	ug/L	40	1.9	1	8270D	11/6/15 19:08	JMV	P5K0125
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	11/6/15 19:08	JMV	P5K0125
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125
4-Chloro-3-methylphenol	BRL	ug/L	50	1.9	1	8270D	11/6/15 19:08	JMV	P5K0125
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	11/6/15 19:08	JMV	P5K0125
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
Acenaphthylene	BRL	ug/L	200	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
Aniline	BRL	ug/L	10	2.1	1	8270D	11/6/15 19:08	JMV	P5K0125
Anthracene	BRL	ug/L	10	3.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Azobenzene	BRL	ug/L	10	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzoic Acid	BRL	ug/L	30000	2.7	1	8270D	11/6/15 19:08	JMV	P5K0125
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: ETE-2A
Prism Sample ID: 5110026-02
Prism Work Order: 5110026
Time Collected: 10/30/15 14:54
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Chrysene	BRL	ug/L	10	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	11/6/15 19:08	JMV	P5K0125
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	11/6/15 19:08	JMV	P5K0125
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/6/15 19:08	JMV	P5K0125
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	11/6/15 19:08	JMV	P5K0125
Fluoranthene	BRL	ug/L	300	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
Fluorene	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	11/6/15 19:08	JMV	P5K0125
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	11/6/15 19:08	JMV	P5K0125
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125
achloroethane	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
ndeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	11/6/15 19:08	JMV	P5K0125
Isophorone	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
Naphthalene	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	11/6/15 19:08	JMV	P5K0125
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	11/6/15 19:08	JMV	P5K0125
Phenanthrene	BRL	ug/L	200	1.8	1	8270D	11/6/15 19:08	JMV	P5K0125
Phenol	BRL	ug/L	30	1.2	1	8270D	11/6/15 19:08	JMV	P5K0125
Pyrene	BRL	ug/L	200	2.2	1	8270D	11/6/15 19:08	JMV	P5K0125

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	78 %	43-140
2-Fluorobiphenyl	70 %	44-119
2-Fluorophenol	35 %	19-119
Nitrobenzene-d5	61 %	44-120
Phenol-d5	25 %	11-52
Terphenyl-d14	78 %	50-134

Total Metals

Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	11/5/15 20:45	BGM	P5K0102
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	11/5/15 20:45	BGM	P5K0102
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	11/5/15 20:45	BGM	P5K0102
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	11/5/15 20:45	BGM	P5K0102

Volatile Organic Compounds by GC/MS

1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 19:54	CGP	P5K0238
-Trichloroethane	1.2 J	ug/L	200	0.061	1	8260B	11/11/15 19:54	CGP	P5K0238

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: ETE-2A
Prism Sample ID: 5110026-02
Prism Work Order: 5110026
Time Collected: 10/30/15 14:54
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/11/15 19:54	CGP	P5K0238
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/11/15 19:54	CGP	P5K0238
1,1-Dichloroethane	**3.7 J**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/11/15 19:54**	**CGP**	**P5K0238**
1,1-Dichloroethylene	**2.1 J**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/11/15 19:54**	**CGP**	**P5K0238**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/11/15 19:54	CGP	P5K0238
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 19:54	CGP	P5K0238
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:54	CGP	P5K0238
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 19:54	CGP	P5K0238
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/11/15 19:54	CGP	P5K0238
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/11/15 19:54	CGP	P5K0238
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/11/15 19:54	CGP	P5K0238
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/11/15 19:54	CGP	P5K0238
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/11/15 19:54	CGP	P5K0238
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/11/15 19:54	CGP	P5K0238
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/11/15 19:54	CGP	P5K0238
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/11/15 19:54	CGP	P5K0238
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/11/15 19:54	CGP	P5K0238
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/11/15 19:54	CGP	P5K0238
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/11/15 19:54	CGP	P5K0238
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/11/15 19:54	CGP	P5K0238
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/11/15 19:54	CGP	P5K0238
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 19:54	CGP	P5K0238
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/11/15 19:54	CGP	P5K0238
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/11/15 19:54	CGP	P5K0238
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/11/15 19:54	CGP	P5K0238
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 19:54	CGP	P5K0238
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 19:54	CGP	P5K0238
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/11/15 19:54	CGP	P5K0238
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:54	CGP	P5K0238
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/11/15 19:54	CGP	P5K0238
cis-1,2-Dichloroethylene	**2.0 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/11/15 19:54**	**CGP**	**P5K0238**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/11/15 19:54	CGP	P5K0238
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/11/15 19:54	CGP	P5K0238
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/11/15 19:54	CGP	P5K0238
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/11/15 19:54	CGP	P5K0238

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ıdiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: ETE-2A
Prism Sample ID: 5110026-02
Prism Work Order: 5110026
Time Collected: 10/30/15 14:54
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/11/15 19:54	CGP	P5K0238
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/11/15 19:54	CGP	P5K0238
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/11/15 19:54	CGP	P5K0238
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 19:54	CGP	P5K0238
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/11/15 19:54	CGP	P5K0238
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/11/15 19:54	CGP	P5K0238
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/11/15 19:54	CGP	P5K0238
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/11/15 19:54	CGP	P5K0238
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/11/15 19:54	CGP	P5K0238
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/11/15 19:54	CGP	P5K0238
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/11/15 19:54	CGP	P5K0238
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/11/15 19:54	CGP	P5K0238
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 19:54	CGP	P5K0238
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/11/15 19:54	CGP	P5K0238
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/11/15 19:54	CGP	P5K0238
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/11/15 19:54	CGP	P5K0238
Toluene	BRL	ug/L	600	0.044	1	8260B	11/11/15 19:54	CGP	P5K0238
ɜ-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/11/15 19:54	CGP	P5K0238
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/11/15 19:54	CGP	P5K0238
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/11/15 19:54	CGP	P5K0238
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 19:54	CGP	P5K0238
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/11/15 19:54	CGP	P5K0238
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/11/15 19:54	CGP	P5K0238
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/11/15 19:54	CGP	P5K0238

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*99 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,4-Dioxane	**20**	**ug/L**	**3.0**	**0.52**	**1**	***8260B SIM**	**11/12/15 8:06**	**ANG**	**P5K0228**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: RW-4
Prism Sample ID: 5110026-03
Prism Work Order: 5110026
Time Collected: 10/30/15 15:32
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 20:20	CGP	P5K0238
1,1,1-Trichloroethane	**2.6 J**	**ug/L**	**200**	**0.061**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/11/15 20:20	CGP	P5K0238
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/11/15 20:20	CGP	P5K0238
1,1-Dichloroethane	**36**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
1,1-Dichloroethylene	**21**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/11/15 20:20	CGP	P5K0238
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 20:20	CGP	P5K0238
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 20:20	CGP	P5K0238
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 20:20	CGP	P5K0238
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/11/15 20:20	CGP	P5K0238
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/11/15 20:20	CGP	P5K0238
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/11/15 20:20	CGP	P5K0238
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/11/15 20:20	CGP	P5K0238
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/11/15 20:20	CGP	P5K0238
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/11/15 20:20	CGP	P5K0238
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/11/15 20:20	CGP	P5K0238
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/11/15 20:20	CGP	P5K0238
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/11/15 20:20	CGP	P5K0238
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/11/15 20:20	CGP	P5K0238
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/11/15 20:20	CGP	P5K0238
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/11/15 20:20	CGP	P5K0238
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/11/15 20:20	CGP	P5K0238
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 20:20	CGP	P5K0238
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/11/15 20:20	CGP	P5K0238
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/11/15 20:20	CGP	P5K0238
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/11/15 20:20	CGP	P5K0238
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/11/15 20:20	CGP	P5K0238
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 20:20	CGP	P5K0238
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/11/15 20:20	CGP	P5K0238
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 20:20	CGP	P5K0238
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/11/15 20:20	CGP	P5K0238
cis-1,2-Dichloroethylene	**33 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/11/15 20:20	CGP	P5K0238

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ıdiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: RW-4
Prism Sample ID: 5110026-03
Prism Work Order: 5110026
Time Collected: 10/30/15 15:32
Time Submitted: 11/02/15 11:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/11/15 20:20	CGP	P5K0238
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/11/15 20:20	CGP	P5K0238
Dichlorodifluoromethane	**7.3**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/11/15 20:20	CGP	P5K0238
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/11/15 20:20	CGP	P5K0238
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/11/15 20:20	CGP	P5K0238
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/11/15 20:20	CGP	P5K0238
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/11/15 20:20	CGP	P5K0238
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/11/15 20:20	CGP	P5K0238
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/11/15 20:20	CGP	P5K0238
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/11/15 20:20	CGP	P5K0238
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/11/15 20:20	CGP	P5K0238
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/11/15 20:20	CGP	P5K0238
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/11/15 20:20	CGP	P5K0238
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/11/15 20:20	CGP	P5K0238
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/11/15 20:20	CGP	P5K0238
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/11/15 20:20	CGP	P5K0238
Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/11/15 20:20	CGP	P5K0238
ıetrachloroethylene	**140**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/11/15 20:20	CGP	P5K0238
trans-1,2-Dichloroethylene	**1.4 J**	**ug/L**	**100**	**0.094**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/11/15 20:20	CGP	P5K0238
Trichloroethylene	**6.5**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/11/15 20:20**	**CGP**	**P5K0238**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/11/15 20:20	CGP	P5K0238
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/11/15 20:20	CGP	P5K0238
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/11/15 20:20	CGP	P5K0238
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/11/15 20:20	CGP	P5K0238

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*96 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*93 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**35**	**ug/L**	**3.0**	**0.52**	**1**	***8260B SIM**	**11/12/15 8:38**	**ANG**	**P5K0228**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0238 - 5030B										
Blank (P5K0238-BLK1)				Prepared & Analyzed: 11/11/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	200	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	5.0	ug/L							
1,1-Dichloroethane	BRL	6.0	ug/L							
1,1-Dichloroethylene	BRL	7.0	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
1,4-Dioxane	BRL	150	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	100	ug/L							
4-Chlorotoluene	BRL	5.0	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	6000	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	700	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	3000	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	70	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							

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Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0238 - 5030B										
Blank (P5K0238-BLK1)				Prepared & Analyzed: 11/11/15						
Ethylbenzene	BRL	600	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	4000	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	5.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.70	ug/L							
;ene	BRL	600	ug/L							
ıans-1,2-Dichloroethylene	BRL	100	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	3.0	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	500	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50.00*		*96*	*80-124*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50.00*		*101*	*75-129*			
Surrogate: Toluene-d8	*48.1*		*ug/L*	*50.00*		*96*	*77-123*			

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600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0238 - 5030B										
LCS (P5K0238-BS1)				Prepared & Analyzed: 11/11/15						
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/L	20.00		104	79-134			
1,1,1-Trichloroethane	19.8	200	ug/L	20.00		99	75-136			J
1,1,2,2-Tetrachloroethane	20.7	0.50	ug/L	20.00		104	62-127			
1,1,2-Trichloroethane	21.9	5.0	ug/L	20.00		109	70-140			
1,1-Dichloroethane	21.2	6.0	ug/L	20.00		106	78-130			
1,1-Dichloroethylene	23.6	7.0	ug/L	20.00		118	70-154			
1,1-Dichloropropylene	21.2	0.50	ug/L	20.00		106	71-136			
1,2,3-Trichlorobenzene	15.8	2.0	ug/L	20.00		79	58-144			
1,2,3-Trichloropropane	19.9	1.0	ug/L	20.00		99	71-127			
1,2,4-Trichlorobenzene	18.9	1.0	ug/L	20.00		94	66-139			
1,2,4-Trimethylbenzene	20.3	0.50	ug/L	20.00		101	75-133			
1,2-Dibromo-3-chloropropane	19.0	2.0	ug/L	20.00		95	63-134			
1,2-Dibromoethane	21.5	0.50	ug/L	20.00		107	77-135			
1,2-Dichlorobenzene	20.2	0.50	ug/L	20.00		101	78-128			
1,2-Dichloroethane	19.9	0.50	ug/L	20.00		100	68-131			
1,2-Dichloropropane	21.4	0.50	ug/L	20.00		107	77-130			
1,3,5-Trimethylbenzene	20.3	0.50	ug/L	20.00		102	75-131			
1,3-Dichlorobenzene	20.4	0.50	ug/L	20.00		102	77-125			
1,3-Dichloropropane	20.4	0.50	ug/L	20.00		102	76-132			
1,4-Dichlorobenzene	20.4	0.50	ug/L	20.00		102	75-126			
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130			
2,2-Dichloropropane	22.1	2.0	ug/L	20.00		111	29-149			
2-Chloroethyl Vinyl Ether	22.6	5.0	ug/L	20.00		113	34-144			
2-Chlorotoluene	20.0	100	ug/L	20.00		100	74-126			J
4-Chlorotoluene	20.1	5.0	ug/L	20.00		101	78-129			
4-Isopropyltoluene	19.0	0.50	ug/L	20.00		95	69-132			
Acetone	52.9	6000	ug/L	40.00		132	40-166			J
Acrolein	46.6	20	ug/L	40.00		117	70-130			
Acrylonitrile	41.7	20	ug/L	40.00		104	81-127			
Benzene	22.3	1.0	ug/L	20.00		112	77-128			
Bromobenzene	18.8	0.50	ug/L	20.00		94	78-129			
Bromochloromethane	22.0	0.50	ug/L	20.00		110	78-135			
Bromodichloromethane	20.9	0.50	ug/L	20.00		105	76-138			
Bromoform	19.3	1.0	ug/L	20.00		96	71-135			
Bromomethane	22.5	1.0	ug/L	20.00		112	41-168			
Carbon disulfide	27.6	700	ug/L	20.00		138	59-135			L1, J
Carbon Tetrachloride	20.1	0.50	ug/L	20.00		101	72-142			
Chlorobenzene	20.7	0.50	ug/L	20.00		104	78-119			
Chloroethane	25.0	3000	ug/L	20.00		125	57-142			J
cis-1,2-Dichloroethylene	21.7	70	ug/L	20.00		108	76-141			J
cis-1,3-Dichloropropylene	22.8	0.50	ug/L	20.00		114	65-140			
Dibromochloromethane	20.9	0.50	ug/L	20.00		104	75-134			
Dibromomethane	21.6	0.50	ug/L	20.00		108	76-138			
Dichlorodifluoromethane	19.9	1.0	ug/L	20.00		100	28-163			
Ethylbenzene	20.5	600	ug/L	20.00		103	80-127			J
Hexachlorobutadiene	16.7	2.0	ug/L	20.00		84	61-134			

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0238 - 5030B										
LCS (P5K0238-BS1)				Prepared & Analyzed: 11/11/15						
Isopropyl Ether	21.5	0.50	ug/L	20.00		108	60-154			
Isopropylbenzene (Cumene)	21.7	0.50	ug/L	20.00		109	70-130			
Methyl Butyl Ketone (2-Hexanone)	20.3	5.0	ug/L	20.00		102	64-137			
Methyl Ethyl Ketone (2-Butanone)	21.6	4000	ug/L	20.00		108	71-134			J
Methyl Isobutyl Ketone	21.4	5.0	ug/L	20.00		107	69-134			
Methylene Chloride	23.0	5.0	ug/L	20.00		115	73-131			
Methyl-tert-Butyl Ether	22.7	0.50	ug/L	20.00		113	68-135			
Naphthalene	17.9	1.0	ug/L	20.00		90	64-136			
n-Butylbenzene	19.5	1.0	ug/L	20.00		97	68-134			
n-Propylbenzene	21.9	0.50	ug/L	20.00		110	72-132			
sec-Butylbenzene	20.6	0.50	ug/L	20.00		103	71-131			
Styrene	20.9	0.50	ug/L	20.00		104	78-129			
tert-Butylbenzene	21.6	0.50	ug/L	20.00		108	70-132			
Tetrachloroethylene	21.3	0.70	ug/L	20.00		106	80-129			
Toluene	21.9	600	ug/L	20.00		110	76-131			J
trans-1,2-Dichloroethylene	22.9	100	ug/L	20.00		115	76-135			J
s-1,3-Dichloropropylene	22.7	0.50	ug/L	20.00		114	67-140			
chloroethylene	22.4	3.0	ug/L	20.00		112	77-133			
Trichlorofluoromethane	22.3	0.50	ug/L	20.00		112	62-148			
Vinyl acetate	21.8	2.0	ug/L	20.00		109	34-167			
Vinyl chloride	24.8	0.50	ug/L	20.00		124	57-141			
Xylenes, total	61.6	500	ug/L	60.00		103	77-133			J
Surrogate: 4-Bromofluorobenzene	*48.1*		*ug/L*	*50.00*		*96*	*80-124*			
Surrogate: Dibromofluoromethane	*48.9*		*ug/L*	*50.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*48.0*		*ug/L*	*50.00*		*96*	*77-123*			
LCS Dup (P5K0238-BSD1)				Prepared & Analyzed: 11/11/15						
1,1,1,2-Tetrachloroethane	20.2	0.50	ug/L	20.00		101	79-134	2	20	
1,1,1-Trichloroethane	19.0	200	ug/L	20.00		95	75-136	4	20	J
1,1,2,2-Tetrachloroethane	20.6	0.50	ug/L	20.00		103	62-127	0.7	20	
1,1,2-Trichloroethane	21.8	5.0	ug/L	20.00		109	70-140	0.4	20	
1,1-Dichloroethane	20.2	6.0	ug/L	20.00		101	78-130	5	20	
1,1-Dichloroethylene	22.5	7.0	ug/L	20.00		112	70-154	5	20	
1,1-Dichloropropylene	19.9	0.50	ug/L	20.00		99	71-136	6	20	
1,2,3-Trichlorobenzene	18.0	2.0	ug/L	20.00		90	58-144	13	20	
1,2,3-Trichloropropane	18.8	1.0	ug/L	20.00		94	71-127	6	20	
1,2,4-Trichlorobenzene	19.3	1.0	ug/L	20.00		96	66-139	2	20	
1,2,4-Trimethylbenzene	19.4	0.50	ug/L	20.00		97	75-133	4	20	
1,2-Dibromo-3-chloropropane	19.0	2.0	ug/L	20.00		95	63-134	0.1	20	
1,2-Dibromoethane	21.6	0.50	ug/L	20.00		108	77-135	0.6	20	
1,2-Dichlorobenzene	19.3	0.50	ug/L	20.00		97	78-128	4	20	
1,2-Dichloroethane	19.5	0.50	ug/L	20.00		98	68-131	2	20	
1,2-Dichloropropane	20.7	0.50	ug/L	20.00		103	77-130	3	20	
1,3,5-Trimethylbenzene	19.1	0.50	ug/L	20.00		96	75-131	6	20	
1,3-Dichlorobenzene	19.9	0.50	ug/L	20.00		100	77-125	2	20	
ichloropropane	20.7	0.50	ug/L	20.00		103	76-132	1	20	
Dichlorobenzene	19.2	0.50	ug/L	20.00		96	75-126	6	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0238 - 5030B										
LCS Dup (P5K0238-BSD1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130	0	20	
2,2-Dichloropropane	21.0	2.0	ug/L	20.00		105	29-149	5	20	
2-Chloroethyl Vinyl Ether	22.6	5.0	ug/L	20.00		113	34-144	0.2	20	
2-Chlorotoluene	18.8	100	ug/L	20.00		94	74-126	6	20	J
4-Chlorotoluene	19.0	5.0	ug/L	20.00		95	78-129	6	20	
4-Isopropyltoluene	17.8	0.50	ug/L	20.00		89	69-132	7	20	
Acetone	48.6	6000	ug/L	40.00		121	40-166	9	20	J
Acrolein	49.8	20	ug/L	40.00		124	70-130	7	20	
Acrylonitrile	42.2	20	ug/L	40.00		105	81-127	1	20	
Benzene	21.0	1.0	ug/L	20.00		105	77-128	6	20	
Bromobenzene	17.8	0.50	ug/L	20.00		89	78-129	5	20	
Bromochloromethane	21.6	0.50	ug/L	20.00		108	78-135	2	20	
Bromodichloromethane	20.4	0.50	ug/L	20.00		102	76-138	2	20	
Bromoform	19.7	1.0	ug/L	20.00		99	71-135	2	20	
Bromomethane	21.8	1.0	ug/L	20.00		109	41-168	3	20	
Carbon disulfide	25.8	700	ug/L	20.00		129	59-135	7	20	J
Carbon Tetrachloride	19.1	0.50	ug/L	20.00		96	72-142	5	20	
Chlorobenzene	19.8	0.50	ug/L	20.00		99	78-119	5	20	
Chloroethane	23.5	3000	ug/L	20.00		118	57-142	6	20	J
cis-1,2-Dichloroethylene	20.5	70	ug/L	20.00		103	76-141	5	20	J
cis-1,3-Dichloropropylene	22.2	0.50	ug/L	20.00		111	65-140	3	20	
Dibromochloromethane	21.1	0.50	ug/L	20.00		106	75-134	1	20	
Dibromomethane	21.5	0.50	ug/L	20.00		107	76-138	0.7	20	
Dichlorodifluoromethane	18.3	1.0	ug/L	20.00		92	28-163	8	20	
Ethylbenzene	19.8	600	ug/L	20.00		99	80-127	4	20	J
Hexachlorobutadiene	16.9	2.0	ug/L	20.00		85	61-134	1	20	
Isopropyl Ether	20.5	0.50	ug/L	20.00		102	60-154	5	20	
Isopropylbenzene (Cumene)	20.0	0.50	ug/L	20.00		100	70-130	8	20	
Methyl Butyl Ketone (2-Hexanone)	20.5	5.0	ug/L	20.00		102	64-137	0.9	20	
Methyl Ethyl Ketone (2-Butanone)	20.6	4000	ug/L	20.00		103	71-134	5	20	J
Methyl Isobutyl Ketone	21.5	5.0	ug/L	20.00		107	69-134	0.2	20	
Methylene Chloride	20.5	5.0	ug/L	20.00		103	73-131	11	20	
Methyl-tert-Butyl Ether	22.3	0.50	ug/L	20.00		112	68-135	2	20	
Naphthalene	19.9	1.0	ug/L	20.00		100	64-136	11	20	
n-Butylbenzene	18.2	1.0	ug/L	20.00		91	68-134	7	20	
n-Propylbenzene	20.3	0.50	ug/L	20.00		102	72-132	8	20	
sec-Butylbenzene	19.4	0.50	ug/L	20.00		97	71-131	6	20	
Styrene	20.3	0.50	ug/L	20.00		101	78-129	3	20	
tert-Butylbenzene	20.1	0.50	ug/L	20.00		101	70-132	7	20	
Tetrachloroethylene	20.1	0.70	ug/L	20.00		100	80-129	6	20	
Toluene	20.9	600	ug/L	20.00		104	76-131	5	20	J
trans-1,2-Dichloroethylene	21.6	100	ug/L	20.00		108	76-135	6	20	J
trans-1,3-Dichloropropylene	21.9	0.50	ug/L	20.00		109	67-140	4	20	
Trichloroethylene	21.3	3.0	ug/L	20.00		106	77-133	5	20	
Trichlorofluoromethane	21.1	0.50	ug/L	20.00		105	62-148	6	20	
Vinyl acetate	21.6	2.0	ug/L	20.00		108	34-167	1	20	

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Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0238 - 5030B										
LCS Dup (P5K0238-BSD1)				Prepared & Analyzed: 11/11/15						
Vinyl chloride	23.4	0.50	ug/L	20.00		117	57-141	6	20	
Xylenes, total	60.2	500	ug/L	60.00		100	77-133	2	20	J
Surrogate: 4-Bromofluorobenzene	*47.6*		*ug/L*	*50.00*		*95*	*80-124*			
Surrogate: Dibromofluoromethane	*48.9*		*ug/L*	*50.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50.00*		*97*	*77-123*			

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Prism Work Order: 5110026
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Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0228 - 5030B										
Blank (P5K0228-BLK1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P5K0228-BS1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	47.1	3.0	ug/L	50.00		94	55-145			
LCS Dup (P5K0228-BSD1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	62.2	3.0	ug/L	50.00		124	55-145	28	30	
Matrix Spike (P5K0228-MS1)	Source: 5110026-03			Prepared: 11/11/15 Analyzed: 11/12/15						
1,4-Dioxane	67.6	3.0	ug/L	50.00	34.8	66	55-145			
Matrix Spike Dup (P5K0228-MSD1)	Source: 5110026-03			Prepared: 11/11/15 Analyzed: 11/12/15						
1,4-Dioxane	69.0	3.0	ug/L	50.00	34.8	68	55-145	2	30	

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0125 - 3510C MS										
Blank (P5K0125-BLK1)				Prepared & Analyzed: 11/06/15						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
1-Methylnaphthalene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	100	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	30	ug/L							
2-Methylphenol	BRL	10	ug/L							
troaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	40	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	50	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	200	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	30000	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
l benzyl phthalate	BRL	10	ug/L							
sene	BRL	10	ug/L							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0125 - 3510C MS										
Blank (P5K0125-BLK1)				Prepared & Analyzed: 11/06/15						
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	300	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	200	ug/L							
Phenol	BRL	30	ug/L							
Pyrene	BRL	200	ug/L							
Surrogate: 2,4,6-Tribromophenol	*69.7*		*ug/L*	*100.0*		*70*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*30.0*		*ug/L*	*50.00*		*60*	*44-119*			
Surrogate: 2-Fluorophenol	*34.6*		*ug/L*	*100.0*		*35*	*19-119*			
Surrogate: Nitrobenzene-d5	*28.4*		*ug/L*	*50.00*		*57*	*44-120*			
Surrogate: Phenol-d5	*22.2*		*ug/L*	*100.0*		*22*	*11-52*			
Surrogate: Terphenyl-d14	*36.4*		*ug/L*	*50.00*		*73*	*50-134*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0125 - 3510C MS										
LCS (P5K0125-BS1)				Prepared & Analyzed: 11/06/15						
1,2,4-Trichlorobenzene	27.1	10	ug/L	50.00		54	29-126			
1,2-Dichlorobenzene	25.0	10	ug/L	50.00		50	32-111			
1,3-Dichlorobenzene	24.4	10	ug/L	50.00		49	28-110			
1,4-Dichlorobenzene	25.0	10	ug/L	50.00		50	29-112			
1-Methylnaphthalene	31.0	10	ug/L	50.00		62	41-119			
2,4,5-Trichlorophenol	32.8	10	ug/L	50.00		66	53-123			
2,4,6-Trichlorophenol	33.0	10	ug/L	50.00		66	50-125			
2,4-Dichlorophenol	28.8	10	ug/L	50.00		58	47-121			
2,4-Dimethylphenol	29.5	100	ug/L	50.00		59	31-124			J
2,4-Dinitrophenol	30.2	10	ug/L	50.00		60	23-143			
2,4-Dinitrotoluene	34.9	10	ug/L	50.00		70	57-128			
2,6-Dinitrotoluene	34.2	10	ug/L	50.00		68	57-124			
2-Chloronaphthalene	36.2	10	ug/L	50.00		72	40-116			
2-Chlorophenol	25.1	10	ug/L	50.00		50	38-117			
2-Methylnaphthalene	30.0	30	ug/L	50.00		60	40-121			
2-Methylphenol	23.6	10	ug/L	50.00		47	30-117			
troaniline	29.4	10	ug/L	50.00		59	55-127			
itrophenol	28.4	10	ug/L	50.00		57	47-123			
3,3'-Dichlorobenzidine	40.4	10	ug/L	50.00		81	27-129			
3/4-Methylphenol	22.6	40	ug/L	50.00		45	29-110			J
3-Nitroaniline	29.6	10	ug/L	50.00		59	41-128			
4,6-Dinitro-2-methylphenol	34.5	10	ug/L	50.00		69	44-137			
4-Bromophenyl phenyl ether	33.4	10	ug/L	50.00		67	55-124			
4-Chloro-3-methylphenol	32.5	50	ug/L	50.00		65	52-119			J
4-Chloroaniline	28.6	10	ug/L	50.00		57	33-117			
4-Chlorophenyl phenyl ether	32.7	10	ug/L	50.00		65	53-121			
4-Nitroaniline	30.1	10	ug/L	50.00		60	45-135			
4-Nitrophenol	16.8	10	ug/L	50.00		34	10-77			
Acenaphthene	34.9	10	ug/L	50.00		70	47-122			
Acenaphthylene	33.9	200	ug/L	50.00		68	41-130			J
Aniline	22.4	10	ug/L	50.00		45	12-197			
Anthracene	37.6	10	ug/L	50.00		75	57-123			
Azobenzene	37.8	10	ug/L	50.00		76	61-116			
Benzo(a)anthracene	41.1	10	ug/L	50.00		82	58-125			
Benzo(a)pyrene	48.4	10	ug/L	50.00		97	54-128			
Benzo(b)fluoranthene	44.2	10	ug/L	50.00		88	53-131			
Benzo(g,h,i)perylene	45.7	10	ug/L	50.00		91	50-134			
Benzo(k)fluoranthene	46.2	10	ug/L	50.00		92	57-129			
Benzoic Acid	5.94	30000	ug/L	50.00		12	10-125			J
Benzyl alcohol	23.9	10	ug/L	50.00		48	31-112			
bis(2-Chloroethoxy)methane	24.6	10	ug/L	50.00		49	48-120			
Bis(2-Chloroethyl)ether	24.0	10	ug/L	50.00		48	43-118			
Bis(2-chloroisopropyl)ether	26.6	10	ug/L	50.00		53	37-130			
Bis(2-Ethylhexyl)phthalate	38.6	10	ug/L	50.00		77	55-135			
yl benzyl phthalate	38.0	10	ug/L	50.00		76	53-134			
sene	40.0	10	ug/L	50.00		80	59-123			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0125 - 3510C MS										
LCS (P5K0125-BS1)				Prepared & Analyzed: 11/06/15						
Dibenzo(a,h)anthracene	46.0	10	ug/L	50.00		92	51-134			
Dibenzofuran	34.1	10	ug/L	50.00		68	53-118			
Diethyl phthalate	35.2	10	ug/L	50.00		70	56-125			
Dimethyl phthalate	34.3	10	ug/L	50.00		69	45-127			
Di-n-butyl phthalate	37.1	10	ug/L	50.00		74	59-127			
Di-n-octyl phthalate	47.3	10	ug/L	50.00		95	51-140			
Fluoranthene	37.7	300	ug/L	50.00		75	57-128			J
Fluorene	36.8	10	ug/L	50.00		74	52-124			
Hexachlorobenzene	35.2	10	ug/L	50.00		70	53-125			
Hexachlorobutadiene	26.6	10	ug/L	50.00		53	22-124			
Hexachlorocyclopentadiene	25.4	10	ug/L	50.00		51	32-117			
Hexachloroethane	25.4	10	ug/L	50.00		51	21-115			
Indeno(1,2,3-cd)pyrene	52.6	10	ug/L	50.00		105	52-134			
Isophorone	31.4	10	ug/L	50.00		63	42-124			
Naphthalene	29.3	10	ug/L	50.00		59	40-121			
Nitrobenzene	28.2	10	ug/L	50.00		56	45-121			
N-Nitroso-di-n-propylamine	29.1	10	ug/L	50.00		58	49-119			
N-Nitrosodiphenylamine	34.6	10	ug/L	50.00		69	51-123			
Pentachlorophenol	37.2	10	ug/L	50.00		74	35-138			
Phenanthrene	36.7	200	ug/L	50.00		73	59-120			J
Phenol	11.7	30	ug/L	50.00		23	12-58			J
Pyrene	39.7	200	ug/L	50.00		79	57-126			J
Surrogate: 2,4,6-Tribromophenol	*76.5*		*ug/L*	*100.0*		*77*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*33.2*		*ug/L*	*50.00*		*66*	*44-119*			
Surrogate: 2-Fluorophenol	*34.7*		*ug/L*	*100.0*		*35*	*19-119*			
Surrogate: Nitrobenzene-d5	*28.4*		*ug/L*	*50.00*		*57*	*44-120*			
Surrogate: Phenol-d5	*23.1*		*ug/L*	*100.0*		*23*	*11-52*			
Surrogate: Terphenyl-d14	*39.1*		*ug/L*	*50.00*		*78*	*50-134*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0125 - 3510C MS										
LCS Dup (P5K0125-BSD1)				Prepared & Analyzed: 11/06/15						
1,2,4-Trichlorobenzene	36.6	10	ug/L	50.00		73	29-126	30	20	D
1,2-Dichlorobenzene	34.9	10	ug/L	50.00		70	32-111	33	20	D
1,3-Dichlorobenzene	34.2	10	ug/L	50.00		68	28-110	33	20	D
1,4-Dichlorobenzene	34.4	10	ug/L	50.00		69	29-112	31	20	D
1-Methylnaphthalene	40.0	10	ug/L	50.00		80	41-119	25	20	D
2,4,5-Trichlorophenol	40.2	10	ug/L	50.00		80	53-123	21	20	D
2,4,6-Trichlorophenol	41.3	10	ug/L	50.00		83	50-125	22	20	D
2,4-Dichlorophenol	37.5	10	ug/L	50.00		75	47-121	26	20	D
2,4-Dimethylphenol	37.2	100	ug/L	50.00		74	31-124	23	20	D, J
2,4-Dinitrophenol	35.8	10	ug/L	50.00		72	23-143	17	20	
2,4-Dinitrotoluene	43.8	10	ug/L	50.00		88	57-128	23	20	D
2,6-Dinitrotoluene	42.2	10	ug/L	50.00		84	57-124	21	20	D
2-Chloronaphthalene	45.3	10	ug/L	50.00		91	40-116	22	20	D
2-Chlorophenol	34.4	10	ug/L	50.00		69	38-117	31	20	D
2-Methylnaphthalene	38.8	30	ug/L	50.00		78	40-121	26	20	D
2-Methylphenol	31.5	10	ug/L	50.00		63	30-117	29	20	D
troaniline	36.4	10	ug/L	50.00		73	55-127	21	20	D
itrophenol	38.6	10	ug/L	50.00		77	47-123	31	20	D
3,3'-Dichlorobenzidine	48.0	10	ug/L	50.00		96	27-129	17	20	
3/4-Methylphenol	29.4	40	ug/L	50.00		59	29-110	26	20	D, J
3-Nitroaniline	37.0	10	ug/L	50.00		74	41-128	22	20	D
4,6-Dinitro-2-methylphenol	44.3	10	ug/L	50.00		89	44-137	25	20	D
4-Bromophenyl phenyl ether	40.4	10	ug/L	50.00		81	55-124	19	20	
4-Chloro-3-methylphenol	40.6	50	ug/L	50.00		81	52-119	22	20	D, J
4-Chloroaniline	35.6	10	ug/L	50.00		71	33-117	22	20	D
4-Chlorophenyl phenyl ether	40.5	10	ug/L	50.00		81	53-121	21	20	D
4-Nitroaniline	38.5	10	ug/L	50.00		77	45-135	25	20	D
4-Nitrophenol	21.4	10	ug/L	50.00		43	10-77	24	20	D
Acenaphthene	43.0	10	ug/L	50.00		86	47-122	21	20	D
Acenaphthylene	41.8	200	ug/L	50.00		84	41-130	21	20	D, J
Aniline	28.9	10	ug/L	50.00		58	12-197	25	20	D
Anthracene	45.4	10	ug/L	50.00		91	57-123	19	20	
Azobenzene	45.5	10	ug/L	50.00		91	61-116	18	20	
Benzo(a)anthracene	49.3	10	ug/L	50.00		99	58-125	18	20	
Benzo(a)pyrene	58.8	10	ug/L	50.00		118	54-128	19	20	
Benzo(b)fluoranthene	57.6	10	ug/L	50.00		115	53-131	26	20	D
Benzo(g,h,i)perylene	56.0	10	ug/L	50.00		112	50-134	20	20	D
Benzo(k)fluoranthene	52.0	10	ug/L	50.00		104	57-129	12	20	
Benzoic Acid	7.25	30000	ug/L	50.00		14	10-125	20	20	J
Benzyl alcohol	31.6	10	ug/L	50.00		63	31-112	28	20	D
bis(2-Chloroethoxy)methane	33.0	10	ug/L	50.00		66	48-120	29	20	D
Bis(2-Chloroethyl)ether	33.6	10	ug/L	50.00		67	43-118	34	20	D
Bis(2-chloroisopropyl)ether	36.9	10	ug/L	50.00		74	37-130	33	20	D
Bis(2-Ethylhexyl)phthalate	46.8	10	ug/L	50.00		94	55-135	19	20	
yl benzyl phthalate	47.6	10	ug/L	50.00		95	53-134	22	20	D
sene	46.3	10	ug/L	50.00		93	59-123	15	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0125 - 3510C MS										
LCS Dup (P5K0125-BSD1)				Prepared & Analyzed: 11/06/15						
Dibenzo(a,h)anthracene	56.1	10	ug/L	50.00		112	51-134	20	20	
Dibenzofuran	41.6	10	ug/L	50.00		83	53-118	20	20	
Diethyl phthalate	43.2	10	ug/L	50.00		86	56-125	20	20	D
Dimethyl phthalate	42.9	10	ug/L	50.00		86	45-127	22	20	D
Di-n-butyl phthalate	45.6	10	ug/L	50.00		91	59-127	20	20	D
Di-n-octyl phthalate	57.0	10	ug/L	50.00		114	51-140	19	20	
Fluoranthene	45.0	300	ug/L	50.00		90	57-128	18	20	J
Fluorene	44.8	10	ug/L	50.00		90	52-124	19	20	
Hexachlorobenzene	42.5	10	ug/L	50.00		85	53-125	19	20	
Hexachlorobutadiene	37.4	10	ug/L	50.00		75	22-124	34	20	D
Hexachlorocyclopentadiene	36.1	10	ug/L	50.00		72	32-117	35	20	D
Hexachloroethane	35.0	10	ug/L	50.00		70	21-115	32	20	D
Indeno(1,2,3-cd)pyrene	52.6	10	ug/L	50.00		105	52-134	0.1	20	
Isophorone	40.2	10	ug/L	50.00		80	42-124	25	20	D
Naphthalene	39.3	10	ug/L	50.00		79	40-121	29	20	D
Nitrobenzene	38.5	10	ug/L	50.00		77	45-121	31	20	D
N-Nitroso-di-n-propylamine	37.5	10	ug/L	50.00		75	49-119	25	20	D
N-Nitrosodiphenylamine	42.0	10	ug/L	50.00		84	51-123	19	20	
Pentachlorophenol	46.3	10	ug/L	50.00		93	35-138	22	20	D
Phenanthrene	44.0	200	ug/L	50.00		88	59-120	18	20	J
Phenol	15.8	30	ug/L	50.00		32	12-58	29	20	D, J
Pyrene	48.5	200	ug/L	50.00		97	57-126	20	20	J
Surrogate: 2,4,6-Tribromophenol	*90.3*		*ug/L*	*100.0*		*90*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*40.7*		*ug/L*	*50.00*		*81*	*44-119*			
Surrogate: 2-Fluorophenol	*45.1*		*ug/L*	*100.0*		*45*	*19-119*			
Surrogate: Nitrobenzene-d5	*36.9*		*ug/L*	*50.00*		*74*	*44-120*			
Surrogate: Phenol-d5	*29.9*		*ug/L*	*100.0*		*30*	*11-52*			
Surrogate: Terphenyl-d14	*45.5*		*ug/L*	*50.00*		*91*	*50-134*			

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0102 - 3010A										
Blank (P5K0102-BLK1)				Prepared & Analyzed: 11/05/15						
Arsenic	BRL	0.010	mg/L							
Cadmium	BRL	0.0020	mg/L							
Chromium	BRL	0.010	mg/L							
Lead	BRL	0.015	mg/L							
LCS (P5K0102-BS1)				Prepared & Analyzed: 11/05/15						
Arsenic	0.251	0.010	mg/L	0.2500		100	80-120			
Cadmium	0.252	0.0020	mg/L	0.2500		101	80-120			
Chromium	0.252	0.010	mg/L	0.2500		101	80-120			
Lead	0.253	0.015	mg/L	0.2500		101	80-120			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110026
Time Submitted: 11/2/2015 11:30:00AM

Anions by Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0123 - NO PREP										
Blank (P5K0123-BLK1)				Prepared & Analyzed: 11/04/15						
Chloride	BRL	250	mg/L							
LCS (P5K0123-BS1)				Prepared & Analyzed: 11/04/15						
Chloride	38.7	260	mg/L	40.00		97	80-120			

Sample Extraction Data

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
5110026-02	P5K0125	1000 mL	1 mL	11/06/15 9:40

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date/Time
5110026-02	P5K0102	50 mL	50 mL	11/05/15 9:05

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110026-01	P5K0238	10 mL	10 mL	11/11/15 12:21
5110026-02	P5K0238	10 mL	10 mL	11/11/15 12:21
5110026-03	P5K0238	10 mL	10 mL	11/11/15 12:21

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110026-01	P5K0228	10 mL	10 mL	11/11/15 10:10
5110026-02	P5K0228	10 mL	10 mL	11/11/15 10:10
5110026-03	P5K0228	10 mL	10 mL	11/11/15 10:10

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CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling Event
Short Hold Analysis: (Yes) (NO) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kerkhoff
Reporting Address: 600 Radiator Rd, Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (NO): _____
Email Address: skerkhoff@rsbrands.com
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd, Indian Trail, NC 28079

Invoice To: Accts Payable
Address: 600 Radiator Rd, Indian Trail, NC 28079

Purchase Order No./Billing Reference 4500030072

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR7-10 Observed: 5.2 °C / Corr: 3.9 °C

Page 27 of 28

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ DoD ___ FL ___ NC X
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO X
Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM	8270	RCRA Metals	Cl	REMARKS	PRISM LAB ID NO.
EM-4	10/30/15	13:50	W	VOA	2	40-mL	HCl	2						01
				VOA	2	40-mL	None	2						
				VOA	3	40-mL	HCl		2					
ETE-2A	10/30/15	14:54	W	VOA	2	40-mL	HCl	2						02
				VOA	2	40-mL	None	2						
				VOA	3	40-mL	HCl		2					
				A,G	2	1-L	None			2				
				P	1	250-mL	HNO_3				1			
				P	1	250-mL	None					1		

Sampler's Signature [signature] Sampled By (Print Name) Stuart Kerkhoff Affiliation Radiator Specialty

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) [signature] 11/2/15 10:15	Received By: (Signature) [signature]	11/2/15	1052
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) [signature]	Received For Prism Laboratories By: [signature]	Date 11/3/15	1130

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☑ Prism Field Service ☐ Other _____

COC Group No. 510026

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Name:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☑ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling Event
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kerkhoff
Reporting Address: 600 Radiator Rd, Indian Trail, NC 28079
Phone: 664-1815 Fax (Yes) (No): _____
Email Address: skerkhoff@dsbrands.com
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd, Indian Trail, NC 28079

Invoice To: Accts Payable
Address: 600 Radiator Rd, Indian Trail, NC 28079

Purchase Order No./Billing Reference 4500030072

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: DT-50 Observed: 5.2 °C / Corr: 3.3 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ DoD ___ FL ___ NC ✓ SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ✓
Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM					REMARKS	PRISM LAB ID NO.
RW-4	10/30/15	15:32	W	VOA	2	40mL	HCl	2							03
				VOA	2	40mL	None	2							
				VOA	3	40mL	HCl		3						

Sampler's Signature Stuart Kerkhoff Sampled By (Print Name) Stuart Kerkhoff Affiliation Radiator Specialty

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) Stuart Kerkhoff 11/2/15 10:15	Received By: (Signature)	11/2/15	1050
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 11/2/15	1130

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other ___

COC Group No. 5110026

Additional Comments:

PRISM USE ONLY

Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☒ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap = Volatile Organics Analysis (Zero Head Space)

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

11/20/2015

Radiator Specialty Co
Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Lab Submittal Date: 11/09/2015
Prism Work Order: 5110178

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

RECEIVED
DEC - 3 2015
By_____

Narrative Notes:

Compound concentrations are reported down to the permit limit. If the permit limit for an individual compound is less than the reporting limit (RL), then the concentrations are reported with a J-Flag down to the Method Detection Limit (MDL).

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

11/20/2015

Prism Work Order: 5110178

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
MW-24A	5110178-01	Water	11/06/15	11/09/15
EM-7	5110178-02	Water	11/06/15	11/09/15
BG-1	5110178-03	Water	11/06/15	11/09/15

Samples were received in good condition at 1.8 degrees C unless otherwise noted.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

11/20/2015

Prism Work Order: 5110178

Prism ID	Client ID	Parameter	Method	Result		Units
5110178-03	BG-1	1,1-Dichloroethane	8260B	0.84	J	ug/L
5110178-03	BG-1	1,1-Dichloroethylene	8260B	9.8		ug/L
5110178-03	BG-1	cis-1,2-Dichloroethylene	8260B	35	J	ug/L
5110178-03	BG-1	Dichlorodifluoromethane	8260B	3.9		ug/L
5110178-03	BG-1	Tetrachloroethylene	8260B	33		ug/L
5110178-03	BG-1	Trichloroethylene	8260B	24		ug/L
5110178-03	BG-1	1,4-Dioxane	*8260B SIM	3.5		ug/L

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-24A
Prism Sample ID: 5110178-01
Prism Work Order: 5110178
Time Collected: 11/06/15 10:00
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 17:10	CGP	P5K0320
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/16/15 17:10	CGP	P5K0320
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/16/15 17:10	CGP	P5K0320
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/16/15 17:10	CGP	P5K0320
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/16/15 17:10	CGP	P5K0320
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/16/15 17:10	CGP	P5K0320
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/16/15 17:10	CGP	P5K0320
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 17:10	CGP	P5K0320
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:10	CGP	P5K0320
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 17:10	CGP	P5K0320
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/16/15 17:10	CGP	P5K0320
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/16/15 17:10	CGP	P5K0320
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/16/15 17:10	CGP	P5K0320
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/16/15 17:10	CGP	P5K0320
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/16/15 17:10	CGP	P5K0320
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/16/15 17:10	CGP	P5K0320
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/16/15 17:10	CGP	P5K0320
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/16/15 17:10	CGP	P5K0320
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/16/15 17:10	CGP	P5K0320
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/16/15 17:10	CGP	P5K0320
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/16/15 17:10	CGP	P5K0320
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/16/15 17:10	CGP	P5K0320
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/16/15 17:10	CGP	P5K0320
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 17:10	CGP	P5K0320
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/16/15 17:10	CGP	P5K0320
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/16/15 17:10	CGP	P5K0320
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/16/15 17:10	CGP	P5K0320
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 17:10	CGP	P5K0320
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 17:10	CGP	P5K0320
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/16/15 17:10	CGP	P5K0320
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:10	CGP	P5K0320
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/16/15 17:10	CGP	P5K0320
cis-1,2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/16/15 17:10	CGP	P5K0320
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/16/15 17:10	CGP	P5K0320

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.adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-24A
Prism Sample ID: 5110178-01
Prism Work Order: 5110178
Time Collected: 11/06/15 10:00
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/16/15 17:10	CGP	P5K0320
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/16/15 17:10	CGP	P5K0320
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/16/15 17:10	CGP	P5K0320
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/16/15 17:10	CGP	P5K0320
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/16/15 17:10	CGP	P5K0320
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/16/15 17:10	CGP	P5K0320
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 17:10	CGP	P5K0320
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/16/15 17:10	CGP	P5K0320
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/16/15 17:10	CGP	P5K0320
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/16/15 17:10	CGP	P5K0320
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/16/15 17:10	CGP	P5K0320
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/16/15 17:10	CGP	P5K0320
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/16/15 17:10	CGP	P5K0320
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/16/15 17:10	CGP	P5K0320
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/16/15 17:10	CGP	P5K0320
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:10	CGP	P5K0320
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/16/15 17:10	CGP	P5K0320
Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/16/15 17:10	CGP	P5K0320
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/16/15 17:10	CGP	P5K0320
Toluene	BRL	ug/L	600	0.044	1	8260B	11/16/15 17:10	CGP	P5K0320
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/16/15 17:10	CGP	P5K0320
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/16/15 17:10	CGP	P5K0320
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/16/15 17:10	CGP	P5K0320
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 17:10	CGP	P5K0320
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/16/15 17:10	CGP	P5K0320
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/16/15 17:10	CGP	P5K0320
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/16/15 17:10	CGP	P5K0320

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,4-Dioxane	BRL	ug/L	3.0	0.52	1	*8260B SIM	11/12/15 9:11	ANG	P5K0228

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-7
Prism Sample ID: 5110178-02
Prism Work Order: 5110178
Time Collected: 11/06/15 10:25
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	11/12/15 20:02	BGM	P5K0211
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	11/12/15 20:02	BGM	P5K0211
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	11/12/15 20:02	BGM	P5K0211
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	11/12/15 20:02	BGM	P5K0211
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 17:36	CGP	P5K0320
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/16/15 17:36	CGP	P5K0320
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/16/15 17:36	CGP	P5K0320
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/16/15 17:36	CGP	P5K0320
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/16/15 17:36	CGP	P5K0320
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/16/15 17:36	CGP	P5K0320
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/16/15 17:36	CGP	P5K0320
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 17:36	CGP	P5K0320
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:36	CGP	P5K0320
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 17:36	CGP	P5K0320
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/16/15 17:36	CGP	P5K0320
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/16/15 17:36	CGP	P5K0320
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/16/15 17:36	CGP	P5K0320
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/16/15 17:36	CGP	P5K0320
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/16/15 17:36	CGP	P5K0320
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/16/15 17:36	CGP	P5K0320
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/16/15 17:36	CGP	P5K0320
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/16/15 17:36	CGP	P5K0320
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/16/15 17:36	CGP	P5K0320
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/16/15 17:36	CGP	P5K0320
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/16/15 17:36	CGP	P5K0320
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/16/15 17:36	CGP	P5K0320
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/16/15 17:36	CGP	P5K0320
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 17:36	CGP	P5K0320
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/16/15 17:36	CGP	P5K0320
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/16/15 17:36	CGP	P5K0320
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/16/15 17:36	CGP	P5K0320
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 17:36	CGP	P5K0320
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 17:36	CGP	P5K0320

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-7
Prism Sample ID: 5110178-02
Prism Work Order: 5110178
Time Collected: 11/06/15 10:25
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/16/15 17:36	CGP	P5K0320
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:36	CGP	P5K0320
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/16/15 17:36	CGP	P5K0320
cis-1,2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/16/15 17:36	CGP	P5K0320
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/16/15 17:36	CGP	P5K0320
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/16/15 17:36	CGP	P5K0320
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/16/15 17:36	CGP	P5K0320
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/16/15 17:36	CGP	P5K0320
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/16/15 17:36	CGP	P5K0320
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/16/15 17:36	CGP	P5K0320
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/16/15 17:36	CGP	P5K0320
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 17:36	CGP	P5K0320
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/16/15 17:36	CGP	P5K0320
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/16/15 17:36	CGP	P5K0320
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/16/15 17:36	CGP	P5K0320
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/16/15 17:36	CGP	P5K0320
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/16/15 17:36	CGP	P5K0320
hthalene	BRL	ug/L	1.0	0.19	1	8260B	11/16/15 17:36	CGP	P5K0320
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/16/15 17:36	CGP	P5K0320
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/16/15 17:36	CGP	P5K0320
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 17:36	CGP	P5K0320
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/16/15 17:36	CGP	P5K0320
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/16/15 17:36	CGP	P5K0320
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/16/15 17:36	CGP	P5K0320
Toluene	BRL	ug/L	600	0.044	1	8260B	11/16/15 17:36	CGP	P5K0320
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/16/15 17:36	CGP	P5K0320
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/16/15 17:36	CGP	P5K0320
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/16/15 17:36	CGP	P5K0320
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 17:36	CGP	P5K0320
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/16/15 17:36	CGP	P5K0320
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/16/15 17:36	CGP	P5K0320
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/16/15 17:36	CGP	P5K0320

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,4-Dioxane	BRL	ug/L	3.0	0.52	1	*8260B SIM	11/12/15 9:44	ANG	P5K0228

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: BG-1
Prism Sample ID: 5110178-03
Prism Work Order: 5110178
Time Collected: 11/06/15 10:50
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	BRL	mg/L	250	0.078	1	*9056A	11/16/15 20:10	CDE	P5K0337
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	11/11/15 21:12	JMV	P5K0198
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	11/11/15 21:12	JMV	P5K0198
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
2,4-Dimethylphenol	BRL	ug/L	100	2.3	1	8270D	11/11/15 21:12	JMV	P5K0198
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	11/11/15 21:12	JMV	P5K0198
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	11/11/15 21:12	JMV	P5K0198
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	11/11/15 21:12	JMV	P5K0198
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
2-Methylnaphthalene	BRL	ug/L	30	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	11/11/15 21:12	JMV	P5K0198
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
3/4-Methylphenol	BRL	ug/L	40	1.9	1	8270D	11/11/15 21:12	JMV	P5K0198
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	11/11/15 21:12	JMV	P5K0198
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	11/11/15 21:12	JMV	P5K0198
4-Chloro-3-methylphenol	BRL	ug/L	50	1.9	1	8270D	11/11/15 21:12	JMV	P5K0198
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	11/11/15 21:12	JMV	P5K0198
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	11/11/15 21:12	JMV	P5K0198
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
Acenaphthylene	BRL	ug/L	200	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
Aniline	BRL	ug/L	10	2.1	1	8270D	11/11/15 21:12	JMV	P5K0198
Anthracene	BRL	ug/L	10	3.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Azobenzene	BRL	ug/L	10	1.8	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzoic Acid	BRL	ug/L	30000	2.7	1	8270D	11/11/15 21:12	JMV	P5K0198
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	11/11/15 21:12	JMV	P5K019

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: BG-1
Prism Sample ID: 5110178-03
Prism Work Order: 5110178
Time Collected: 11/06/15 10:50
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Chrysene	BRL	ug/L	10	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	11/11/15 21:12	JMV	P5K0198
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	11/11/15 21:12	JMV	P5K0198
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/11/15 21:12	JMV	P5K0198
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	11/11/15 21:12	JMV	P5K0198
Fluoranthene	BRL	ug/L	300	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
Fluorene	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	11/11/15 21:12	JMV	P5K0198
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	11/11/15 21:12	JMV	P5K0198
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198
achloroethane	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	11/11/15 21:12	JMV	P5K0198
Isophorone	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
Naphthalene	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	11/11/15 21:12	JMV	P5K0198
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	11/11/15 21:12	JMV	P5K0198
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	11/11/15 21:12	JMV	P5K0198
Phenanthrene	BRL	ug/L	200	1.8	1	8270D	11/11/15 21:12	JMV	P5K0198
Phenol	BRL	ug/L	30	1.2	1	8270D	11/11/15 21:12	JMV	P5K0198
Pyrene	BRL	ug/L	200	2.2	1	8270D	11/11/15 21:12	JMV	P5K0198

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*73 %*	*43-140*
2-Fluorobiphenyl	*62 %*	*44-119*
2-Fluorophenol	*35 %*	*19-119*
Nitrobenzene-d5	*58 %*	*44-120*
Phenol-d5	*22 %*	*11-52*
Terphenyl-d14	*73 %*	*50-134*

Total Metals

Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	11/12/15 20:09	BGM	P5K0211
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	11/12/15 20:09	BGM	P5K0211
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	11/12/15 20:09	BGM	P5K0211
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	11/12/15 20:09	BGM	P5K0211

Volatile Organic Compounds by GC/MS

2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 18:02	CGP	P5K0320
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/16/15 18:02	CGP	P5K0320

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: BG-1
Prism Sample ID: 5110178-03
Prism Work Order: 5110178
Time Collected: 11/06/15 10:50
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/16/15 18:02	CGP	P5K0320
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/16/15 18:02	CGP	P5K0320
1,1-Dichloroethane	**0.84 J**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/16/15 18:02**	**CGP**	**P5K0320**
1,1-Dichloroethylene	**9.8**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/16/15 18:02**	**CGP**	**P5K0320**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/16/15 18:02	CGP	P5K0320
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 18:02	CGP	P5K0320
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 18:02	CGP	P5K0320
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 18:02	CGP	P5K0320
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/16/15 18:02	CGP	P5K0320
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/16/15 18:02	CGP	P5K0320
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/16/15 18:02	CGP	P5K0320
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/16/15 18:02	CGP	P5K0320
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/16/15 18:02	CGP	P5K0320
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/16/15 18:02	CGP	P5K0320
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/16/15 18:02	CGP	P5K0320
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/16/15 18:02	CGP	P5K0320
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/16/15 18:02	CGP	P5K0320
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/16/15 18:02	CGP	P5K0320
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/16/15 18:02	CGP	P5K0320
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/16/15 18:02	CGP	P5K0320
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/16/15 18:02	CGP	P5K0320
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 18:02	CGP	P5K0320
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/16/15 18:02	CGP	P5K0320
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/16/15 18:02	CGP	P5K0320
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/16/15 18:02	CGP	P5K0320
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/16/15 18:02	CGP	P5K0320
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 18:02	CGP	P5K0320
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/16/15 18:02	CGP	P5K0320
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 18:02	CGP	P5K0320
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/16/15 18:02	CGP	P5K0320
cis-1,2-Dichloroethylene	**35 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/16/15 18:02**	**CGP**	**P5K0320**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/16/15 18:02	CGP	P5K0320
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/16/15 18:02	CGP	P5K0320
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/16/15 18:02	CGP	P5K0320
Dichlorodifluoromethane	**3.9**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/16/15 18:02**	**CGP**	**P5K0320**

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: BG-1
Prism Sample ID: 5110178-03
Prism Work Order: 5110178
Time Collected: 11/06/15 10:50
Time Submitted: 11/09/15 13:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/16/15 18:02	CGP	P5K0320
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/16/15 18:02	CGP	P5K0320
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/16/15 18:02	CGP	P5K0320
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/16/15 18:02	CGP	P5K0320
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/16/15 18:02	CGP	P5K0320
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/16/15 18:02	CGP	P5K0320
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/16/15 18:02	CGP	P5K0320
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/16/15 18:02	CGP	P5K0320
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/16/15 18:02	CGP	P5K0320
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/16/15 18:02	CGP	P5K0320
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/16/15 18:02	CGP	P5K0320
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/16/15 18:02	CGP	P5K0320
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/16/15 18:02	CGP	P5K0320
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/16/15 18:02	CGP	P5K0320
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/16/15 18:02	CGP	P5K0320
Tetrachloroethylene	**33**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/16/15 18:02**	**CGP**	**P5K0320**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/16/15 18:02	CGP	P5K0320
s-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/16/15 18:02	CGP	P5K0320
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/16/15 18:02	CGP	P5K0320
Trichloroethylene	**24**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/16/15 18:02**	**CGP**	**P5K0320**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/16/15 18:02	CGP	P5K0320
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/16/15 18:02	CGP	P5K0320
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/16/15 18:02	CGP	P5K0320
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/16/15 18:02	CGP	P5K0320

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	3.5	ug/L	3.0	0.52	1	*8260B SIM	11/12/15 10:17	ANG	P5K0228

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0320 - 5030B										
Blank (P5K0320-BLK1)				Prepared & Analyzed: 11/16/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	200	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	5.0	ug/L							
1,1-Dichloroethane	BRL	6.0	ug/L							
1,1-Dichloroethylene	BRL	7.0	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
1,4-Dioxane	BRL	150	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	100	ug/L							
4-Chlorotoluene	BRL	5.0	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	6000	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	700	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	3000	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	70	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0320 - 5030B										
Blank (P5K0320-BLK1)				Prepared & Analyzed: 11/16/15						
Ethylbenzene	BRL	600	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	4000	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	5.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.70	ug/L							
ene	BRL	600	ug/L							
trans-1,2-Dichloroethylene	BRL	100	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	3.0	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	500	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.6*		*ug/L*	*50.00*		*99*	*80-124*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50.00*		*99*	*75-129*			
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50.00*		*97*	*77-123*			

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0320 - 5030B										
LCS (P5K0320-BS1)				Prepared & Analyzed: 11/16/15						
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20.00		110	79-134			
1,1,1-Trichloroethane	20.9	200	ug/L	20.00		105	75-136			J
1,1,2,2-Tetrachloroethane	21.7	0.50	ug/L	20.00		109	62-127			
1,1,2-Trichloroethane	20.4	5.0	ug/L	20.00		102	70-140			
1,1-Dichloroethane	20.4	6.0	ug/L	20.00		102	78-130			
1,1-Dichloroethylene	19.3	7.0	ug/L	20.00		97	70-154			
1,1-Dichloropropylene	19.3	0.50	ug/L	20.00		96	71-136			
1,2,3-Trichlorobenzene	24.2	2.0	ug/L	20.00		121	58-144			
1,2,3-Trichloropropane	22.4	1.0	ug/L	20.00		112	71-127			
1,2,4-Trichlorobenzene	23.3	1.0	ug/L	20.00		117	66-139			
1,2,4-Trimethylbenzene	21.8	0.50	ug/L	20.00		109	75-133			
1,2-Dibromo-3-chloropropane	22.5	2.0	ug/L	20.00		112	63-134			
1,2-Dibromoethane	21.6	0.50	ug/L	20.00		108	77-135			
1,2-Dichlorobenzene	21.6	0.50	ug/L	20.00		108	78-128			
1,2-Dichloroethane	19.8	0.50	ug/L	20.00		99	68-131			
1,2-Dichloropropane	20.6	0.50	ug/L	20.00		103	77-130			
1,3,5-Trimethylbenzene	22.0	0.50	ug/L	20.00		110	75-131			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20.00		107	77-125			
1,3-Dichloropropane	21.5	0.50	ug/L	20.00		107	76-132			
1,4-Dichlorobenzene	20.9	0.50	ug/L	20.00		104	75-126			
1,4-Dioxane	BRL	150	ug/L	200.0			70-130			
2,2-Dichloropropane	20.9	2.0	ug/L	20.00		105	29-149			
2-Chloroethyl Vinyl Ether	20.8	5.0	ug/L	20.00		104	34-144			
2-Chlorotoluene	21.1	100	ug/L	20.00		105	74-126			J
4-Chlorotoluene	21.3	5.0	ug/L	20.00		106	78-129			
4-Isopropyltoluene	21.6	0.50	ug/L	20.00		108	69-132			
Acetone	37.0	6000	ug/L	40.00		93	40-166			J
Acrolein	42.6	20	ug/L	40.00		106	70-130			
Acrylonitrile	42.5	20	ug/L	40.00		106	81-127			
Benzene	20.7	1.0	ug/L	20.00		104	77-128			
Bromobenzene	21.2	0.50	ug/L	20.00		106	78-129			
Bromochloromethane	20.7	0.50	ug/L	20.00		103	78-135			
Bromodichloromethane	20.8	0.50	ug/L	20.00		104	76-138			
Bromoform	22.9	1.0	ug/L	20.00		115	71-135			
Bromomethane	14.8	1.0	ug/L	20.00		74	41-168			
Carbon disulfide	22.2	700	ug/L	20.00		111	59-135			J
Carbon Tetrachloride	19.4	0.50	ug/L	20.00		97	72-142			
Chlorobenzene	21.0	0.50	ug/L	20.00		105	78-119			
Chloroethane	21.4	3000	ug/L	20.00		107	57-142			J
cis-1,2-Dichloroethylene	20.2	70	ug/L	20.00		101	76-141			J
cis-1,3-Dichloropropylene	21.5	0.50	ug/L	20.00		108	65-140			
Dibromochloromethane	22.4	0.50	ug/L	20.00		112	75-134			
Dibromomethane	21.0	0.50	ug/L	20.00		105	76-138			
Dichlorodifluoromethane	13.1	1.0	ug/L	20.00		66	28-163			
Ethylbenzene	21.0	600	ug/L	20.00		105	80-127			J
Hexachlorobutadiene	23.0	2.0	ug/L	20.00		115	61-134			

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diator Specialty Co
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600 Radiator Rd.
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Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0320 - 5030B										
LCS (P5K0320-BS1)				Prepared & Analyzed: 11/16/15						
Isopropyl Ether	20.5	0.50	ug/L	20.00		103	60-154			
Isopropylbenzene (Cumene)	21.7	0.50	ug/L	20.00		108	70-130			
Methyl Butyl Ketone (2-Hexanone)	22.4	5.0	ug/L	20.00		112	64-137			
Methyl Ethyl Ketone (2-Butanone)	19.8	4000	ug/L	20.00		99	71-134			J
Methyl Isobutyl Ketone	20.9	5.0	ug/L	20.00		105	69-134			
Methylene Chloride	18.4	5.0	ug/L	20.00		92	73-131			
Methyl-tert-Butyl Ether	21.2	0.50	ug/L	20.00		106	68-135			
Naphthalene	24.1	1.0	ug/L	20.00		121	64-136			
n-Butylbenzene	21.4	1.0	ug/L	20.00		107	68-134			
n-Propylbenzene	21.7	0.50	ug/L	20.00		108	72-132			
sec-Butylbenzene	20.4	0.50	ug/L	20.00		102	71-131			
Styrene	21.4	0.50	ug/L	20.00		107	78-129			
tert-Butylbenzene	22.2	0.50	ug/L	20.00		111	70-132			
Tetrachloroethylene	20.1	0.70	ug/L	20.00		101	80-129			
Toluene	20.4	600	ug/L	20.00		102	76-131			J
trans-1,2-Dichloroethylene	20.2	100	ug/L	20.00		101	76-135			J
s-1,3-Dichloropropylene	21.7	0.50	ug/L	20.00		108	67-140			
chloroethylene	21.6	3.0	ug/L	20.00		108	77-133			
Trichlorofluoromethane	18.6	0.50	ug/L	20.00		93	62-148			
Vinyl acetate	21.2	2.0	ug/L	20.00		106	34-167			
Vinyl chloride	21.5	0.50	ug/L	20.00		108	57-141			
Xylenes, total	BRL	500	ug/L	60.00			77-133			
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/L*	*50.00*		*101*	*80-124*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50.00*		*97*	*75-129*			
Surrogate: Toluene-d8	*50.5*		*ug/L*	*50.00*		*101*	*77-123*			
LCS Dup (P5K0320-BSD1)				Prepared & Analyzed: 11/16/15						
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/L	20.00		104	79-134	6	20	
1,1,1-Trichloroethane	20.8	200	ug/L	20.00		104	75-136	0.6	20	J
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/L	20.00		108	62-127	0.8	20	
1,1,2-Trichloroethane	20.4	5.0	ug/L	20.00		102	70-140	0.1	20	
1,1-Dichloroethane	20.2	6.0	ug/L	20.00		101	78-130	1	20	
1,1-Dichloroethylene	18.7	7.0	ug/L	20.00		94	70-154	3	20	
1,1-Dichloropropylene	18.9	0.50	ug/L	20.00		95	71-136	2	20	
1,2,3-Trichlorobenzene	20.4	2.0	ug/L	20.00		102	58-144	17	20	
1,2,3-Trichloropropane	21.6	1.0	ug/L	20.00		108	71-127	3	20	
1,2,4-Trichlorobenzene	20.3	1.0	ug/L	20.00		102	66-139	14	20	
1,2,4-Trimethylbenzene	21.1	0.50	ug/L	20.00		105	75-133	3	20	
1,2-Dibromo-3-chloropropane	23.0	2.0	ug/L	20.00		115	63-134	3	20	
1,2-Dibromoethane	21.6	0.50	ug/L	20.00		108	77-135	0.09	20	
1,2-Dichlorobenzene	21.0	0.50	ug/L	20.00		105	78-128	3	20	
1,2-Dichloroethane	19.9	0.50	ug/L	20.00		99	68-131	0.5	20	
1,2-Dichloropropane	20.2	0.50	ug/L	20.00		101	77-130	2	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/L	20.00		108	75-131	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/L	20.00		106	77-125	1	20	
chloropropane	20.7	0.50	ug/L	20.00		103	76-132	4	20	
1,4-Dichlorobenzene	20.7	0.50	ug/L	20.00		103	75-126	1	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0320 - 5030B										
LCS Dup (P5K0320-BSD1)				Prepared: 11/16/15 Analyzed: 11/18/15						
1,4-Dioxane	BRL	150	ug/L	200.0			70-130		20	
2,2-Dichloropropane	21.2	2.0	ug/L	20.00		106	29-149	1	20	
2-Chloroethyl Vinyl Ether	20.7	5.0	ug/L	20.00		104	34-144	0.7	20	
2-Chlorotoluene	20.9	100	ug/L	20.00		104	74-126	0.8	20	J
4-Chlorotoluene	20.6	5.0	ug/L	20.00		103	78-129	3	20	
4-Isopropyltoluene	20.7	0.50	ug/L	20.00		104	69-132	4	20	
Acetone	44.0	6000	ug/L	40.00		110	40-166	17	20	J
Acrolein	42.3	20	ug/L	40.00		106	70-130	0.5	20	
Acrylonitrile	42.1	20	ug/L	40.00		105	81-127	1	20	
Benzene	20.3	1.0	ug/L	20.00		101	77-128	2	20	
Bromobenzene	20.9	0.50	ug/L	20.00		105	78-129	1	20	
Bromochloromethane	20.6	0.50	ug/L	20.00		103	78-135	0.3	20	
Bromodichloromethane	20.7	0.50	ug/L	20.00		104	76-138	0.05	20	
Bromoform	22.5	1.0	ug/L	20.00		113	71-135	2	20	
Bromomethane	14.9	1.0	ug/L	20.00		75	41-168	1	20	
Carbon disulfide	21.9	700	ug/L	20.00		109	59-135	1	20	J
Carbon Tetrachloride	18.8	0.50	ug/L	20.00		94	72-142	3	20	
Chlorobenzene	20.4	0.50	ug/L	20.00		102	78-119	3	20	
Chloroethane	20.8	3000	ug/L	20.00		104	57-142	3	20	J
cis-1,2-Dichloroethylene	19.7	70	ug/L	20.00		99	76-141	2	20	J
cis-1,3-Dichloropropylene	21.0	0.50	ug/L	20.00		105	65-140	2	20	
Dibromochloromethane	22.1	0.50	ug/L	20.00		111	75-134	1	20	
Dibromomethane	21.2	0.50	ug/L	20.00		106	76-138	1	20	
Dichlorodifluoromethane	20.0	1.0	ug/L	20.00		100	28-163	42	20	D
Ethylbenzene	20.1	600	ug/L	20.00		101	80-127	4	20	J
Hexachlorobutadiene	20.9	2.0	ug/L	20.00		105	61-134	10	20	
Isopropyl Ether	20.2	0.50	ug/L	20.00		101	60-154	2	20	
Isopropylbenzene (Cumene)	21.4	0.50	ug/L	20.00		107	70-130	2	20	
Methyl Butyl Ketone (2-Hexanone)	21.7	5.0	ug/L	20.00		108	64-137	3	20	
Methyl Ethyl Ketone (2-Butanone)	20.2	4000	ug/L	20.00		101	71-134	2	20	J
Methyl Isobutyl Ketone	21.8	5.0	ug/L	20.00		109	69-134	4	20	
Methylene Chloride	19.8	5.0	ug/L	20.00		99	73-131	7	20	
Methyl-tert-Butyl Ether	21.6	0.50	ug/L	20.00		108	68-135	2	20	
Naphthalene	20.4	1.0	ug/L	20.00		102	64-136	17	20	
n-Butylbenzene	20.6	1.0	ug/L	20.00		103	68-134	4	20	
n-Propylbenzene	21.5	0.50	ug/L	20.00		107	72-132	0.9	20	
sec-Butylbenzene	19.7	0.50	ug/L	20.00		98	71-131	3	20	
Styrene	21.1	0.50	ug/L	20.00		105	78-129	2	20	
tert-Butylbenzene	21.4	0.50	ug/L	20.00		107	70-132	3	20	
Tetrachloroethylene	19.3	0.70	ug/L	20.00		97	80-129	4	20	
Toluene	20.1	600	ug/L	20.00		100	76-131	2	20	J
trans-1,2-Dichloroethylene	19.8	100	ug/L	20.00		99	76-135	2	20	J
trans-1,3-Dichloropropylene	21.6	0.50	ug/L	20.00		108	67-140	0.6	20	
Trichloroethylene	21.0	3.0	ug/L	20.00		105	77-133	3	20	
Trichlorofluoromethane	18.2	0.50	ug/L	20.00		91	62-148	2	20	
Vinyl acetate	21.0	2.0	ug/L	20.00		105	34-167	0.8	20	

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0320 - 5030B										
LCS Dup (P5K0320-BSD1)				Prepared & Analyzed: 11/16/15						
Vinyl chloride	20.9	0.50	ug/L	20.00		105	57-141	3	20	
Xylenes, total	BRL	500	ug/L	60.00			77-133		20	
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50.00*		*101*	*80-124*			
Surrogate: Dibromofluoromethane	*48.9*		*ug/L*	*50.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50.00*		*99*	*77-123*			

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Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0228 - 5030B										
Blank (P5K0228-BLK1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P5K0228-BS1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	47.1	3.0	ug/L	50.00		94	55-145			
LCS Dup (P5K0228-BSD1)				Prepared & Analyzed: 11/11/15						
1,4-Dioxane	62.2	3.0	ug/L	50.00		124	55-145	28	30	

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
Blank (P5K0198-BLK1)				Prepared: 11/10/15 Analyzed: 11/11/15						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
1-Methylnaphthalene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	100	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	30	ug/L							
2-Methylphenol	BRL	10	ug/L							
roaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	40	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	50	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	200	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	30000	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
benzyl phthalate	BRL	10	ug/L							
ene	BRL	10	ug/L							

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
Blank (P5K0198-BLK1)				Prepared: 11/10/15 Analyzed: 11/11/15						
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	300	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	200	ug/L							
Phenol	BRL	30	ug/L							
Pyrene	BRL	200	ug/L							
Surrogate: 2,4,6-Tribromophenol	*73.9*		*ug/L*	*100.0*		*74*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*32.0*		*ug/L*	*50.00*		*64*	*44-119*			
Surrogate: 2-Fluorophenol	*38.0*		*ug/L*	*100.0*		*38*	*19-119*			
Surrogate: Nitrobenzene-d5	*30.2*		*ug/L*	*50.00*		*60*	*44-120*			
Surrogate: Phenol-d5	*24.5*		*ug/L*	*100.0*		*25*	*11-52*			
Surrogate: Terphenyl-d14	*37.4*		*ug/L*	*50.00*		*75*	*50-134*			

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Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
LCS (P5K0198-BS1)				Prepared: 11/10/15 Analyzed: 11/11/15						
1,2,4-Trichlorobenzene	24.9	10	ug/L	50.00		50	29-126			
1,2-Dichlorobenzene	23.4	10	ug/L	50.00		47	32-111			
1,3-Dichlorobenzene	23.1	10	ug/L	50.00		46	28-110			
1,4-Dichlorobenzene	23.7	10	ug/L	50.00		47	29-112			
1-Methylnaphthalene	29.5	10	ug/L	50.00		59	41-119			
2,4,5-Trichlorophenol	33.7	10	ug/L	50.00		67	53-123			
2,4,6-Trichlorophenol	33.4	10	ug/L	50.00		67	50-125			
2,4-Dichlorophenol	28.7	10	ug/L	50.00		57	47-121			
2,4-Dimethylphenol	24.7	100	ug/L	50.00		49	31-124			J
2,4-Dinitrophenol	32.4	10	ug/L	50.00		65	23-143			
2,4-Dinitrotoluene	37.5	10	ug/L	50.00		75	57-128			
2,6-Dinitrotoluene	36.0	10	ug/L	50.00		72	57-124			
2-Chloronaphthalene	38.8	10	ug/L	50.00		78	40-116			
2-Chlorophenol	25.4	10	ug/L	50.00		51	38-117			
2-Methylnaphthalene	28.6	30	ug/L	50.00		57	40-121			J
2-Methylphenol	24.1	10	ug/L	50.00		48	30-117			
troaniline	32.2	10	ug/L	50.00		64	55-127			
2-Nitrophenol	28.4	10	ug/L	50.00		57	47-123			
3,3'-Dichlorobenzidine	37.0	10	ug/L	50.00		74	27-129			
3/4-Methylphenol	22.5	40	ug/L	50.00		45	29-110			J
3-Nitroaniline	32.0	10	ug/L	50.00		64	41-128			
4,6-Dinitro-2-methylphenol	35.6	10	ug/L	50.00		71	44-137			
4-Bromophenyl phenyl ether	34.9	10	ug/L	50.00		70	55-124			
4-Chloro-3-methylphenol	33.5	50	ug/L	50.00		67	52-119			J
4-Chloroaniline	27.4	10	ug/L	50.00		55	33-117			
4-Chlorophenyl phenyl ether	34.2	10	ug/L	50.00		68	53-121			
4-Nitroaniline	33.1	10	ug/L	50.00		66	45-135			
4-Nitrophenol	17.9	10	ug/L	50.00		36	10-77			
Acenaphthene	35.8	10	ug/L	50.00		72	47-122			
Acenaphthylene	34.5	200	ug/L	50.00		69	41-130			J
Aniline	23.8	10	ug/L	50.00		48	12-197			
Anthracene	40.0	10	ug/L	50.00		80	57-123			
Azobenzene	39.3	10	ug/L	50.00		79	61-116			
Benzo(a)anthracene	38.5	10	ug/L	50.00		77	58-125			
Benzo(a)pyrene	40.0	10	ug/L	50.00		80	54-128			
Benzo(b)fluoranthene	37.9	10	ug/L	50.00		76	53-131			
Benzo(g,h,i)perylene	38.2	10	ug/L	50.00		76	50-134			
Benzo(k)fluoranthene	38.3	10	ug/L	50.00		77	57-129			
Benzoic Acid	7.57	30000	ug/L	50.00		15	10-125			J
Benzyl alcohol	24.0	10	ug/L	50.00		48	31-112			
bis(2-Chloroethoxy)methane	25.0	10	ug/L	50.00		50	48-120			
Bis(2-Chloroethyl)ether	24.1	10	ug/L	50.00		48	43-118			
Bis(2-chloroisopropyl)ether	26.5	10	ug/L	50.00		53	37-130			
Bis(2-Ethylhexyl)phthalate	37.7	10	ug/L	50.00		75	55-135			
P benzyl phthalate	36.7	10	ug/L	50.00		73	53-134			
ene	37.8	10	ug/L	50.00		76	59-123			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
LCS (P5K0198-BS1)				Prepared: 11/10/15 Analyzed: 11/11/15						
Dibenzo(a,h)anthracene	38.3	10	ug/L	50.00		77	51-134			
Dibenzofuran	35.2	10	ug/L	50.00		70	53-118			
Diethyl phthalate	36.9	10	ug/L	50.00		74	56-125			
Dimethyl phthalate	36.2	10	ug/L	50.00		72	45-127			
Di-n-butyl phthalate	38.4	10	ug/L	50.00		77	59-127			
Di-n-octyl phthalate	36.9	10	ug/L	50.00		74	51-140			
Fluoranthene	38.7	300	ug/L	50.00		77	57-128			J
Fluorene	37.8	10	ug/L	50.00		76	52-124			
Hexachlorobenzene	35.7	10	ug/L	50.00		71	53-125			
Hexachlorobutadiene	23.7	10	ug/L	50.00		47	22-124			
Hexachlorocyclopentadiene	24.6	10	ug/L	50.00		49	32-117			
Hexachloroethane	22.8	10	ug/L	50.00		46	21-115			
Indeno(1,2,3-cd)pyrene	35.3	10	ug/L	50.00		71	52-134			
Isophorone	31.9	10	ug/L	50.00		64	42-124			
Naphthalene	28.2	10	ug/L	50.00		56	40-121			
Nitrobenzene	28.4	10	ug/L	50.00		57	45-121			
N-Nitroso-di-n-propylamine	28.7	10	ug/L	50.00		57	49-119			
N-Nitrosodiphenylamine	36.0	10	ug/L	50.00		72	51-123			
Pentachlorophenol	36.7	10	ug/L	50.00		73	35-138			
Phenanthrene	38.7	200	ug/L	50.00		77	59-120			J
Phenol	12.2	30	ug/L	50.00		24	12-58			J
Pyrene	38.6	200	ug/L	50.00		77	57-126			J
Surrogate: 2,4,6-Tribromophenol	*78.7*		*ug/L*	*100.0*		*79*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*34.3*		*ug/L*	*50.00*		*69*	*44-119*			
Surrogate: 2-Fluorophenol	*37.4*		*ug/L*	*100.0*		*37*	*19-119*			
Surrogate: Nitrobenzene-d5	*29.6*		*ug/L*	*50.00*		*59*	*44-120*			
Surrogate: Phenol-d5	*25.2*		*ug/L*	*100.0*		*25*	*11-52*			
Surrogate: Terphenyl-d14	*39.5*		*ug/L*	*50.00*		*79*	*50-134*			

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
LCS Dup (P5K0198-BSD1)				Prepared: 11/10/15 Analyzed: 11/11/15						
1,2,4-Trichlorobenzene	29.6	10	ug/L	50.00		59	29-126	17	20	
1,2-Dichlorobenzene	27.4	10	ug/L	50.00		55	32-111	16	20	
1,3-Dichlorobenzene	26.9	10	ug/L	50.00		54	28-110	15	20	
1,4-Dichlorobenzene	26.8	10	ug/L	50.00		54	29-112	12	20	
1-Methylnaphthalene	34.5	10	ug/L	50.00		69	41-119	15	20	
2,4,5-Trichlorophenol	36.8	10	ug/L	50.00		74	53-123	9	20	
2,4,6-Trichlorophenol	36.7	10	ug/L	50.00		73	50-125	10	20	
2,4-Dichlorophenol	33.0	10	ug/L	50.00		66	47-121	14	20	
2,4-Dimethylphenol	27.3	100	ug/L	50.00		55	31-124	10	20	J
2,4-Dinitrophenol	37.1	10	ug/L	50.00		74	23-143	13	20	
2,4-Dinitrotoluene	40.2	10	ug/L	50.00		80	57-128	7	20	
2,6-Dinitrotoluene	39.3	10	ug/L	50.00		79	57-124	9	20	
2-Chloronaphthalene	45.0	10	ug/L	50.00		90	40-116	15	20	
2-Chlorophenol	29.0	10	ug/L	50.00		58	38-117	13	20	
2-Methylnaphthalene	33.2	30	ug/L	50.00		66	40-121	15	20	
2-Methylphenol	27.8	10	ug/L	50.00		56	30-117	14	20	
roaniline	34.9	10	ug/L	50.00		70	55-127	8	20	
2-Nitrophenol	32.6	10	ug/L	50.00		65	47-123	14	20	
3,3'-Dichlorobenzidine	38.6	10	ug/L	50.00		77	27-129	4	20	
3/4-Methylphenol	26.0	40	ug/L	50.00		52	29-110	14	20	J
3-Nitroaniline	35.1	10	ug/L	50.00		70	41-128	9	20	
4,6-Dinitro-2-methylphenol	39.6	10	ug/L	50.00		79	44-137	11	20	
4-Bromophenyl phenyl ether	37.0	10	ug/L	50.00		74	55-124	6	20	
4-Chloro-3-methylphenol	36.8	50	ug/L	50.00		74	52-119	9	20	J
4-Chloroaniline	33.0	10	ug/L	50.00		66	33-117	18	20	
4-Chlorophenyl phenyl ether	36.6	10	ug/L	50.00		73	53-121	7	20	
4-Nitroaniline	35.2	10	ug/L	50.00		70	45-135	6	20	
4-Nitrophenol	18.6	10	ug/L	50.00		37	10-77	4	20	
Acenaphthene	39.6	10	ug/L	50.00		79	47-122	10	20	
Acenaphthylene	37.9	200	ug/L	50.00		76	41-130	9	20	J
Aniline	27.0	10	ug/L	50.00		54	12-197	13	20	
Anthracene	42.9	10	ug/L	50.00		86	57-123	7	20	
Azobenzene	42.9	10	ug/L	50.00		86	61-116	9	20	
Benzo(a)anthracene	41.6	10	ug/L	50.00		83	58-125	8	20	
Benzo(a)pyrene	43.4	10	ug/L	50.00		87	54-128	8	20	
Benzo(b)fluoranthene	41.2	10	ug/L	50.00		82	53-131	8	20	
Benzo(g,h,i)perylene	40.9	10	ug/L	50.00		82	50-134	7	20	
Benzo(k)fluoranthene	41.1	10	ug/L	50.00		82	57-129	7	20	
Benzoic Acid	8.54	30000	ug/L	50.00		17	10-125	12	20	J
Benzyl alcohol	28.4	10	ug/L	50.00		57	31-112	17	20	
bis(2-Chloroethoxy)methane	29.8	10	ug/L	50.00		60	48-120	17	20	
Bis(2-Chloroethyl)ether	27.7	10	ug/L	50.00		55	43-118	14	20	
Bis(2-chloroisopropyl)ether	31.4	10	ug/L	50.00		63	37-130	17	20	
Bis(2-Ethylhexyl)phthalate	40.4	10	ug/L	50.00		81	55-135	7	20	
B benzyl phthalate	39.5	10	ug/L	50.00		79	53-134	7	20	
ene	42.0	10	ug/L	50.00		84	59-123	10	20	

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
LCS Dup (P5K0198-BSD1)				Prepared: 11/10/15 Analyzed: 11/11/15						
Dibenzo(a,h)anthracene	40.6	10	ug/L	50.00		81	51-134	6	20	
Dibenzofuran	38.6	10	ug/L	50.00		77	53-118	9	20	
Diethyl phthalate	39.2	10	ug/L	50.00		78	56-125	6	20	
Dimethyl phthalate	38.8	10	ug/L	50.00		78	45-127	7	20	
Di-n-butyl phthalate	41.1	10	ug/L	50.00		82	59-127	7	20	
Di-n-octyl phthalate	39.8	10	ug/L	50.00		80	51-140	8	20	
Fluoranthene	41.7	300	ug/L	50.00		83	57-128	7	20	J
Fluorene	41.2	10	ug/L	50.00		82	52-124	9	20	
Hexachlorobenzene	38.6	10	ug/L	50.00		77	53-125	8	20	
Hexachlorobutadiene	28.1	10	ug/L	50.00		56	22-124	17	20	
Hexachlorocyclopentadiene	30.0	10	ug/L	50.00		60	32-117	20	20	
Hexachloroethane	26.4	10	ug/L	50.00		53	21-115	15	20	
Indeno(1,2,3-cd)pyrene	37.8	10	ug/L	50.00		76	52-134	7	20	
Isophorone	36.7	10	ug/L	50.00		73	42-124	14	20	
Naphthalene	33.0	10	ug/L	50.00		66	40-121	16	20	
Nitrobenzene	32.9	10	ug/L	50.00		66	45-121	14	20	
N-Nitroso-di-n-propylamine	33.4	10	ug/L	50.00		67	49-119	15	20	
N-Nitrosodiphenylamine	38.9	10	ug/L	50.00		78	51-123	8	20	
Pentachlorophenol	40.8	10	ug/L	50.00		82	35-138	11	20	
Phenanthrene	40.8	200	ug/L	50.00		82	59-120	5	20	J
Phenol	13.8	30	ug/L	50.00		28	12-58	12	20	J
Pyrene	41.8	200	ug/L	50.00		84	57-126	8	20	J
Surrogate: 2,4,6-Tribromophenol	*78.2*		*ug/L*	*100.0*		*78*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*36.0*		*ug/L*	*50.00*		*72*	*44-119*			
Surrogate: 2-Fluorophenol	*38.9*		*ug/L*	*100.0*		*39*	*19-119*			
Surrogate: Nitrobenzene-d5	*31.9*		*ug/L*	*50.00*		*64*	*44-120*			
Surrogate: Phenol-d5	*26.5*		*ug/L*	*100.0*		*26*	*11-52*			
Surrogate: Terphenyl-d14	*39.1*		*ug/L*	*50.00*		*78*	*50-134*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
Matrix Spike (P5K0198-MS1)	Source: 5110178-03			Prepared & Analyzed: 11/11/15						
1,2,4-Trichlorobenzene	60.1	20	ug/L	100.0	BRL	60	29-116			
1,2-Dichlorobenzene	57.3	20	ug/L	100.0	BRL	57	32-111			
1,3-Dichlorobenzene	57.1	20	ug/L	100.0	BRL	57	28-110			
1,4-Dichlorobenzene	57.4	20	ug/L	100.0	BRL	57	29-112			
1-Methylnaphthalene	68.2	20	ug/L	100.0	BRL	68	41-119			
2,4,5-Trichlorophenol	66.8	20	ug/L	100.0	BRL	67	53-123			
2,4,6-Trichlorophenol	70.5	20	ug/L	100.0	BRL	71	50-125			
2,4-Dichlorophenol	66.2	20	ug/L	100.0	BRL	66	47-121			
2,4-Dimethylphenol	66.0	200	ug/L	100.0	BRL	66	31-124			J
2,4-Dinitrophenol	57.3	20	ug/L	100.0	BRL	57	23-143			
2,4-Dinitrotoluene	69.7	20	ug/L	100.0	BRL	70	57-128			
2,6-Dinitrotoluene	68.7	20	ug/L	100.0	BRL	69	57-124			
2-Chloronaphthalene	88.2	20	ug/L	100.0	BRL	88	40-116			
2-Chlorophenol	60.8	20	ug/L	100.0	BRL	61	38-117			
2-Methylnaphthalene	66.3	60	ug/L	100.0	BRL	66	40-121			
2-Methylphenol	59.7	20	ug/L	100.0	BRL	60	30-117			
roaniline	62.3	20	ug/L	100.0	BRL	62	55-127			
2-Nitrophenol	63.6	20	ug/L	100.0	BRL	64	47-123			
3,3'-Dichlorobenzidine	67.8	20	ug/L	100.0	BRL	68	27-129			
3/4-Methylphenol	58.8	80	ug/L	100.0	BRL	59	29-110			J
3-Nitroaniline	59.4	20	ug/L	100.0	BRL	59	41-128			
4,6-Dinitro-2-methylphenol	66.0	20	ug/L	100.0	BRL	66	44-137			
4-Bromophenyl phenyl ether	67.1	20	ug/L	100.0	BRL	67	55-124			
4-Chloro-3-methylphenol	70.5	100	ug/L	100.0	BRL	71	52-119			J
4-Chloroaniline	60.5	20	ug/L	100.0	BRL	60	33-117			
4-Chlorophenyl phenyl ether	66.4	20	ug/L	100.0	BRL	66	53-121			
4-Nitroaniline	60.8	20	ug/L	100.0	BRL	61	45-135			
4-Nitrophenol	47.4	20	ug/L	100.0	BRL	47	10-105			
Acenaphthene	74.0	20	ug/L	100.0	BRL	74	47-122			
Acenaphthylene	71.6	400	ug/L	100.0	BRL	72	41-130			J
Aniline	50.1	20	ug/L	100.0	BRL	50	11-124			
Anthracene	75.4	20	ug/L	100.0	BRL	75	57-123			
Azobenzene	76.9	20	ug/L	100.0	BRL	77	61-116			
Benzo(a)anthracene	72.6	20	ug/L	100.0	BRL	73	58-125			
Benzo(a)pyrene	76.0	20	ug/L	100.0	BRL	76	54-128			
Benzo(b)fluoranthene	66.5	20	ug/L	100.0	BRL	66	53-131			
Benzo(g,h,i)perylene	71.4	20	ug/L	100.0	BRL	71	50-134			
Benzo(k)fluoranthene	78.8	20	ug/L	100.0	BRL	79	57-129			
Benzoic Acid	26.2	60000	ug/L	100.0	BRL	26	10-125			J
Benzyl alcohol	58.4	20	ug/L	100.0	BRL	58	31-112			
bis(2-Chloroethoxy)methane	57.3	20	ug/L	100.0	BRL	57	48-120			
Bis(2-Chloroethyl)ether	55.2	20	ug/L	100.0	BRL	55	43-118			
Bis(2-chloroisopropyl)ether	60.9	20	ug/L	100.0	BRL	61	37-130			
Bis(2-Ethylhexyl)phthalate	69.6	20	ug/L	100.0	BRL	70	55-135			
P benzyl phthalate	69.3	20	ug/L	100.0	BRL	69	53-134			
ene	72.8	20	ug/L	100.0	BRL	73	59-123			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
Matrix Spike (P5K0198-MS1)	**Source: 5110178-03**			Prepared & Analyzed: 11/11/15						
Dibenzo(a,h)anthracene	70.9	20	ug/L	100.0	BRL	71	51-134			
Dibenzofuran	71.9	20	ug/L	100.0	BRL	72	53-118			
Diethyl phthalate	69.4	20	ug/L	100.0	BRL	69	56-125			
Dimethyl phthalate	69.0	20	ug/L	100.0	BRL	69	45-127			
Di-n-butyl phthalate	73.1	20	ug/L	100.0	BRL	73	59-127			
Di-n-octyl phthalate	69.9	20	ug/L	100.0	BRL	70	51-140			
Fluoranthene	73.1	600	ug/L	100.0	BRL	73	57-128			J
Fluorene	75.0	20	ug/L	100.0	BRL	75	52-124			
Hexachlorobenzene	69.8	20	ug/L	100.0	BRL	70	53-125			
Hexachlorobutadiene	60.0	20	ug/L	100.0	BRL	60	22-124			
Hexachlorocyclopentadiene	59.7	20	ug/L	100.0	BRL	60	26-122			
Hexachloroethane	55.2	20	ug/L	100.0	BRL	55	21-115			
Indeno(1,2,3-cd)pyrene	65.1	20	ug/L	100.0	BRL	65	52-134			
Isophorone	71.1	20	ug/L	100.0	BRL	71	42-124			
Naphthalene	66.7	20	ug/L	100.0	BRL	67	40-121			
Nitrobenzene	66.2	20	ug/L	100.0	BRL	66	45-121			
N-Nitroso-di-n-propylamine	64.3	20	ug/L	100.0	BRL	64	49-119			
N-Nitrosodiphenylamine	69.1	20	ug/L	100.0	BRL	69	51-123			
Pentachlorophenol	68.6	20	ug/L	100.0	BRL	69	35-138			
Phenanthrene	74.2	400	ug/L	100.0	BRL	74	59-120			J
Phenol	39.9	60	ug/L	100.0	BRL	40	10-68			J
Pyrene	72.4	400	ug/L	100.0	BRL	72	57-126			J
Surrogate: 2,4,6-Tribromophenol	*152*		*ug/L*	*200.0*		*76*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*74.5*		*ug/L*	*100.0*		*74*	*44-119*			
Surrogate: 2-Fluorophenol	*112*		*ug/L*	*200.0*		*56*	*19-119*			
Surrogate: Nitrobenzene-d5	*67.3*		*ug/L*	*100.0*		*67*	*44-120*			
Surrogate: Phenol-d5	*84.6*		*ug/L*	*200.0*		*42*	*11-52*			
Surrogate: Terphenyl-d14	*71.9*		*ug/L*	*100.0*		*72*	*50-134*			

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
Matrix Spike Dup (P5K0198-MSD1)	**Source: 5110178-03**			Prepared & Analyzed: 11/11/15						
1,2,4-Trichlorobenzene	58.4	20	ug/L	100.0	BRL	58	29-116	3	30	
1,2-Dichlorobenzene	55.0	20	ug/L	100.0	BRL	55	32-111	4	50	
1,3-Dichlorobenzene	53.5	20	ug/L	100.0	BRL	54	28-110	7	50	
1,4-Dichlorobenzene	54.5	20	ug/L	100.0	BRL	55	29-112	5	50	
1-Methylnaphthalene	65.6	20	ug/L	100.0	BRL	66	41-119	4	50	
2,4,5-Trichlorophenol	67.1	20	ug/L	100.0	BRL	67	53-123	0.5	50	
2,4,6-Trichlorophenol	69.0	20	ug/L	100.0	BRL	69	50-125	2	50	
2,4-Dichlorophenol	62.3	20	ug/L	100.0	BRL	62	47-121	6	50	
2,4-Dimethylphenol	62.3	200	ug/L	100.0	BRL	62	31-124	6	50	J
2,4-Dinitrophenol	64.2	20	ug/L	100.0	BRL	64	23-143	11	50	
2,4-Dinitrotoluene	74.6	20	ug/L	100.0	BRL	75	57-128	7	50	
2,6-Dinitrotoluene	71.3	20	ug/L	100.0	BRL	71	57-124	4	50	
2-Chloronaphthalene	85.4	20	ug/L	100.0	BRL	85	40-116	3	50	
2-Chlorophenol	58.1	20	ug/L	100.0	BRL	58	38-117	5	50	
2-Methylnaphthalene	63.5	60	ug/L	100.0	BRL	64	40-121	4	50	
2-Methylphenol	57.5	20	ug/L	100.0	BRL	57	30-117	4	50	
troaniline	64.6	20	ug/L	100.0	BRL	65	55-127	4	50	
-itrophenol	61.8	20	ug/L	100.0	BRL	62	47-123	3	50	
3,3'-Dichlorobenzidine	70.3	20	ug/L	100.0	BRL	70	27-129	4	50	
3/4-Methylphenol	55.8	80	ug/L	100.0	BRL	56	29-110	5	50	J
3-Nitroaniline	64.0	20	ug/L	100.0	BRL	64	41-128	7	50	
4,6-Dinitro-2-methylphenol	68.8	20	ug/L	100.0	BRL	69	44-137	4	50	
4-Bromophenyl phenyl ether	68.4	20	ug/L	100.0	BRL	68	55-124	2	50	
4-Chloro-3-methylphenol	68.4	100	ug/L	100.0	BRL	68	52-119	3	50	J
4-Chloroaniline	60.3	20	ug/L	100.0	BRL	60	33-117	0.4	50	
4-Chlorophenyl phenyl ether	68.4	20	ug/L	100.0	BRL	68	53-121	3	50	
4-Nitroaniline	64.3	20	ug/L	100.0	BRL	64	45-135	6	50	
4-Nitrophenol	47.5	20	ug/L	100.0	BRL	48	10-105	0.3	50	
Acenaphthene	72.3	20	ug/L	100.0	BRL	72	47-122	2	50	
Acenaphthylene	69.8	400	ug/L	100.0	BRL	70	41-130	3	50	J
Aniline	52.0	20	ug/L	100.0	BRL	52	11-124	4	50	
Anthracene	78.6	20	ug/L	100.0	BRL	79	57-123	4	50	
Azobenzene	79.2	20	ug/L	100.0	BRL	79	61-116	3	50	
Benzo(a)anthracene	76.1	20	ug/L	100.0	BRL	76	58-125	5	50	
Benzo(a)pyrene	79.6	20	ug/L	100.0	BRL	80	54-128	5	50	
Benzo(b)fluoranthene	69.7	20	ug/L	100.0	BRL	70	53-131	5	50	
Benzo(g,h,i)perylene	75.7	20	ug/L	100.0	BRL	76	50-134	6	50	
Benzo(k)fluoranthene	82.8	20	ug/L	100.0	BRL	83	57-129	5	50	
Benzoic Acid	30.6	60000	ug/L	100.0	BRL	31	10-125	15	50	J
Benzyl alcohol	56.2	20	ug/L	100.0	BRL	56	31-112	4	50	
bis(2-Chloroethoxy)methane	56.0	20	ug/L	100.0	BRL	56	48-120	2	50	
Bis(2-Chloroethyl)ether	54.3	20	ug/L	100.0	BRL	54	43-118	2	50	
Bis(2-chloroisopropyl)ether	60.5	20	ug/L	100.0	BRL	61	37-130	0.6	50	
Bis(2-Ethylhexyl)phthalate	73.6	20	ug/L	100.0	BRL	74	55-135	6	50	
P[illegible] benzyl phthalate	70.0	20	ug/L	100.0	BRL	70	53-134	0.9	50	
[illegible]ene	75.3	20	ug/L	100.0	BRL	75	59-123	3	50	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0198 - 3510C MS										
Matrix Spike Dup (P5K0198-MSD1)	**Source: 5110178-03**			Prepared & Analyzed: 11/11/15						
Dibenzo(a,h)anthracene	74.8	20	ug/L	100.0	BRL	75	51-134	5	50	
Dibenzofuran	71.5	20	ug/L	100.0	BRL	72	53-118	0.6	50	
Diethyl phthalate	73.5	20	ug/L	100.0	BRL	74	56-125	6	50	
Dimethyl phthalate	72.3	20	ug/L	100.0	BRL	72	45-127	5	50	
Di-n-butyl phthalate	75.8	20	ug/L	100.0	BRL	76	59-127	4	50	
Di-n-octyl phthalate	72.5	20	ug/L	100.0	BRL	72	51-140	4	50	
Fluoranthene	75.9	600	ug/L	100.0	BRL	76	57-128	4	50	J
Fluorene	75.8	20	ug/L	100.0	BRL	76	52-124	1	50	
Hexachlorobenzene	71.1	20	ug/L	100.0	BRL	71	53-125	2	50	
Hexachlorobutadiene	58.7	20	ug/L	100.0	BRL	59	22-124	2	50	
Hexachlorocyclopentadiene	58.1	20	ug/L	100.0	BRL	58	26-122	3	50	
Hexachloroethane	52.9	20	ug/L	100.0	BRL	53	21-115	4	50	
Indeno(1,2,3-cd)pyrene	68.0	20	ug/L	100.0	BRL	68	52-134	4	50	
Isophorone	68.4	20	ug/L	100.0	BRL	68	42-124	4	50	
Naphthalene	65.2	20	ug/L	100.0	BRL	65	40-121	2	50	
Nitrobenzene	63.9	20	ug/L	100.0	BRL	64	45-121	4	50	
N-Nitroso-di-n-propylamine	60.3	20	ug/L	100.0	BRL	60	49-119	6	50	
N-Nitrosodiphenylamine	71.1	20	ug/L	100.0	BRL	71	51-123	3	50	
Pentachlorophenol	73.6	20	ug/L	100.0	BRL	74	35-138	7	50	
Phenanthrene	75.8	400	ug/L	100.0	BRL	76	59-120	2	50	J
Phenol	37.5	60	ug/L	100.0	BRL	38	10-68	6	50	J
Pyrene	75.6	400	ug/L	100.0	BRL	76	57-126	4	50	J
Surrogate: 2,4,6-Tribromophenol	*149*		*ug/L*	*200.0*		*74*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*68.8*		*ug/L*	*100.0*		*69*	*44-119*			
Surrogate: 2-Fluorophenol	*95.2*		*ug/L*	*200.0*		*48*	*19-119*			
Surrogate: Nitrobenzene-d5	*61.6*		*ug/L*	*100.0*		*62*	*44-120*			
Surrogate: Phenol-d5	*73.4*		*ug/L*	*200.0*		*37*	*11-52*			
Surrogate: Terphenyl-d14	*70.6*		*ug/L*	*100.0*		*71*	*50-134*			

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0211 - 3010A										
Blank (P5K0211-BLK1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Arsenic	BRL	0.010	mg/L							
Cadmium	BRL	0.0020	mg/L							
Chromium	BRL	0.010	mg/L							
Lead	BRL	0.015	mg/L							
LCS (P5K0211-BS1)				Prepared: 11/11/15 Analyzed: 11/12/15						
Arsenic	0.258	0.010	mg/L	0.2500		103	80-120			
Cadmium	0.264	0.0020	mg/L	0.2500		105	80-120			
Chromium	0.261	0.010	mg/L	0.2500		104	80-120			
Lead	0.267	0.015	mg/L	0.2500		107	80-120			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110178
Time Submitted: 11/9/2015 1:40:00PM

Anions by Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0337 - NO PREP										
Blank (P5K0337-BLK1)				Prepared & Analyzed: 11/16/15						
Chloride	BRL	250	mg/L							
LCS (P5K0337-BS1)				Prepared & Analyzed: 11/16/15						
Chloride	41.1	260	mg/L	40.00		103	80-120			
Matrix Spike (P5K0337-MS2)	Source: 5110178-03			Prepared & Analyzed: 11/16/15						
Chloride	228	260	mg/L	40.00	186	104	80-120			
Matrix Spike Dup (P5K0337-MSD2)	Source: 5110178-03			Prepared & Analyzed: 11/16/15						
Chloride	227	260	mg/L	40.00	186	103	80-120	0.3	15	

Sample Extraction Data

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
5110178-03	P5K0198	1000 mL	1 mL	11/11/15 11:05

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date/Time
5110178-02	P5K0211	50 mL	50 mL	11/11/15 7:55
5110178-03	P5K0211	50 mL	50 mL	11/11/15 7:55

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110178-01	P5K0320	10 mL	10 mL	11/16/15 8:25
5110178-02	P5K0320	10 mL	10 mL	11/16/15 8:25
5110178-03	P5K0320	10 mL	10 mL	11/16/15 8:25

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110178-01	P5K0228	10 mL	10 mL	11/11/15 10:10
5110178-02	P5K0228	10 mL	10 mL	11/11/15 10:10
5110178-03	P5K0228	10 mL	10 mL	11/11/15 10:10

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CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Ketchoff
Reporting Address: 600 Radiator Rd
Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (No): _____
Email Address: SKetchoff@rscbrands.com
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd
Indian Trail, NC 28079

Invoice To: Accts Payable
Address: 600 Radiator Rd
Indian Trail, NC 28079

Purchase Order No./Billing Reference 4500030072

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR1-16 Observed: 8.1 °C / Corr: 1.8 °C

Page 31 of 32

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ DoD ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ✓
Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM	Metals				REMARKS	PRISM LAB ID NO.
MW-24A	11/6/15	10:00	W	VOA	2	40-mL	HCl	2							#1
				VOA	2	40-mL	None	2							1
				VOA	3	40-mL	HCl		3						
EM-7	11/6/15	10:25	W	VOA	2	40-mL	HCl	2							#2
				VOA	2	40-mL	None	2							1
				VOA	3	40-mL	HCl		3						
				P	1	250-mL	HNO3			1					

Sampler's Signature: Stuart Ketchoff
Sampled By (Print Name): Stuart Ketchoff
Affiliation: Radiator Specialty

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) Stuart Ketchoff 11/9/15 12:30	Received By: (Signature)	11/9/15	1320
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 11/9/15	1340

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other ___

COC Group No. 5110178

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (~~No~~) UST Project: (Yes) (~~No~~)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kerkhoff
Reporting Address: 600 Radiator Rd Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (~~No~~):
Email Address: skerkhoff@gmail.com
EDD Type: PDF ✓ Excel Other
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd, Indian Trail, NC 28079

Invoice To: Accts Payable
Address: 600 Radiator Rd Indian Trail, NC 28079

Purchase Order No./Billing Reference 4500070072
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☑ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: 3Cr-10 Observed: 3.1 °C / Corr: 1.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC___ DoD___ FL___ NC ✓
SC___ OTHER___ N/A___
Water Chlorinated: YES___ NO ✓
Sample Iced Upon Collection: YES ✓ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM	8270	RCRA Metals	Chloride	REMARKS	PRISM LAB ID NO.
BG-1	11/6/15	10:50	W	VOA	2	40-mL	HCl	2						03
				VOA	2	40-mL	None	2						
				VOA	3	40-mL	HCl		3					
				A, G	2	1-L	None			2				
				P	1	250-mL	HNO_3				1			
				P	1	250-mL	None					1		

Sampler's Signature Stuart Kerkhoff Sampled By (Print Name) Stuart Kerkhoff Affiliation Radiator Specialty

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) Stuart Kerkhoff 11/9/15 12:30	Received By: (Signature)	11/9/15	1300
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 11/9/15	1340

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other

COC Group No. 5110178

Additional Comments: As Cd Cr Pb

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☑ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___

*CONTAINER CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap = Volatile Organics Analysis (Zero Head Space)

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Full-Service Analytical & Environmental Solutions

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Case Narrative

12/01/2015

RECEIVED
DEC - 3 2015
By

Radiator Specialty Co
Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Lab Submittal Date: 11/12/2015
Prism Work Order: 5110320

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Narrative Notes:

Compound concentrations are reported down to the permit limit. If the permit limit for an individual compound is less than the reporting limit (RL), then the concentrations are reported with a J-Flag down to the Method Detection Limit (MDL).

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

12/01/2015

Prism Work Order: 5110320

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
TB-2B	5110320-01	Water	11/10/15	11/12/15
TB-3A	5110320-02	Water	11/10/15	11/12/15
Trip Blank 101615-04	5110320-03	Water	11/10/15	11/12/15
HT-4A	5110320-04	Water	11/11/15	11/12/15
HT-2A	5110320-05	Water	11/12/15	11/12/15
EM-9	5110320-06	Water	11/12/15	11/12/15
EM-8	5110320-07	Water	11/12/15	11/12/15
Trip Blank 101615-019	5110320-08	Water	11/12/15	11/12/15

Samples were received in good condition at 2.4 degrees C unless otherwise noted.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

12/01/2015

Prism Work Order: 5110320

Prism ID	Client ID	Parameter	Method	Result		Units
5110320-01	TB-2B	Toluene	8260B	14	J	ug/L
5110320-02	TB-3A	Chromium	*6010C	0.025		mg/L
5110320-02	TB-3A	1,1,1-Trichloroethane	8260B	1.1	J	ug/L
5110320-02	TB-3A	1,1,2-Trichloroethane	8260B	1.9	J	ug/L
5110320-02	TB-3A	1,1-Dichloroethane	8260B	60		ug/L
5110320-02	TB-3A	1,1-Dichloroethylene	8260B	460		ug/L
5110320-02	TB-3A	1,2-Dichloroethane	8260B	2.4		ug/L
5110320-02	TB-3A	1,4-Dioxane	8260B	210		ug/L
5110320-02	TB-3A	Chloroform	8260B	0.87		ug/L
5110320-02	TB-3A	cis-1,2-Dichloroethylene	8260B	10	J	ug/L
5110320-02	TB-3A	Dichlorodifluoromethane	8260B	2.7		ug/L
5110320-02	TB-3A	Tetrachloroethylene	8260B	11		ug/L
5110320-02	TB-3A	trans-1,2-Dichloroethylene	8260B	1.8	J	ug/L
5110320-02	TB-3A	Trichloroethylene	8260B	11		ug/L
5110320-02	TB-3A	Trichlorofluoromethane	8260B	40		ug/L
5110320-03	Trip Blank 101615-04	1,4-Dioxane	8260B	42	J	ug/L
5110320-04	HT-4A	1,1,1-Trichloroethane	8260B	1.0	J	ug/L
5110320-04	HT-4A	1,1-Dichloroethane	8260B	29		ug/L
5110320-04	HT-4A	1,1-Dichloroethylene	8260B	22		ug/L
5110320-04	HT-4A	Chloroform	8260B	0.56		ug/L
10320-04	HT-4A	cis-1,2-Dichloroethylene	8260B	14	J	ug/L
5110320-04	HT-4A	Dichlorodifluoromethane	8260B	1.1		ug/L
5110320-04	HT-4A	Tetrachloroethylene	8260B	2.1		ug/L
5110320-04	HT-4A	Toluene	8260B	3.5	J	ug/L
5110320-04	HT-4A	trans-1,2-Dichloroethylene	8260B	1.4	J	ug/L
5110320-04	HT-4A	Trichloroethylene	8260B	1.6	J	ug/L
5110320-04	HT-4A	Trichlorofluoromethane	8260B	0.93		ug/L
5110320-04	HT-4A	1,4-Dioxane	*8260B SIM	18		ug/L
5110320-05	HT-2A	1,1,1-Trichloroethane	8260B	1.2	J	ug/L
5110320-05	HT-2A	1,1-Dichloroethane	8260B	99		ug/L
5110320-05	HT-2A	1,1-Dichloroethylene	8260B	84		ug/L
5110320-05	HT-2A	1,2-Dichloroethane	8260B	0.70		ug/L
5110320-05	HT-2A	Chloroethane	8260B	6.1	J	ug/L
5110320-05	HT-2A	cis-1,2-Dichloroethylene	8260B	20	J	ug/L
5110320-05	HT-2A	Dichlorodifluoromethane	8260B	1.4		ug/L
5110320-05	HT-2A	Tetrachloroethylene	8260B	5.1		ug/L
5110320-05	HT-2A	trans-1,2-Dichloroethylene	8260B	1.0	J	ug/L
5110320-05	HT-2A	Trichloroethylene	8260B	4.8		ug/L
5110320-05	HT-2A	Vinyl chloride	8260B	1.1		ug/L
5110320-05	HT-2A	1,4-Dioxane	*8260B SIM	38		ug/L
5110320-06	EM-9	1,1-Dichloroethane	8260B	28		ug/L
5110320-06	EM-9	1,1-Dichloroethylene	8260B	18		ug/L
5110320-06	EM-9	cis-1,2-Dichloroethylene	8260B	9.2	J	ug/L
0320-06	EM-9	Dichlorodifluoromethane	8260B	1.6		ug/L

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Summary of Detections

12/01/2015

Prism Work Order: 5110320

Prism ID	Client ID	Parameter	Method	Result		Units
5110320-06	EM-9	Tetrachloroethylene	8260B	5.4		ug/L
5110320-06	EM-9	Trichloroethylene	8260B	2.3	J	ug/L
5110320-06	EM-9	1,4-Dioxane	*8260B SIM	6.5		ug/L
5110320-07	EM-8	Arsenic	*6010C	0.044		mg/L
5110320-07	EM-8	Cadmium	*6010C	0.0091		mg/L
5110320-07	EM-8	Chromium	*6010C	0.095		mg/L
5110320-07	EM-8	Lead	*6010C	0.12		mg/L
5110320-07	EM-8	1,1-Dichloroethane	8260B	8.0		ug/L
5110320-07	EM-8	1,1-Dichloroethylene	8260B	5.4	J	ug/L
5110320-07	EM-8	cis-1,2-Dichloroethylene	8260B	2.0	J	ug/L
5110320-07	EM-8	Tetrachloroethylene	8260B	0.90		ug/L
5110320-07	EM-8	Trichloroethylene	8260B	0.51	J	ug/L
5110320-07	EM-8	Trichlorofluoromethane	8260B	0.60		ug/L
5110320-07	EM-8	1,4-Dioxane	*8260B SIM	3.3		ug/L

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: TB-2B
Prism Sample ID: 5110320-01
Prism Work Order: 5110320
Time Collected: 11/10/15 11:07
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 17:44	KDM	P5K0446
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/20/15 17:44	KDM	P5K0446
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/20/15 17:44	KDM	P5K0446
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/20/15 17:44	KDM	P5K0446
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/20/15 17:44	KDM	P5K0446
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/20/15 17:44	KDM	P5K0446
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/20/15 17:44	KDM	P5K0446
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 17:44	KDM	P5K0446
5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 17:44	KDM	P5K0446
,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 17:44	KDM	P5K0446
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/20/15 17:44	KDM	P5K0446
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 17:44	KDM	P5K0446
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/20/15 17:44	KDM	P5K0446
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/20/15 17:44	KDM	P5K0446
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/20/15 17:44	KDM	P5K0446
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/20/15 17:44	KDM	P5K0446
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/20/15 17:44	KDM	P5K0446
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/20/15 17:44	KDM	P5K0446
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/20/15 17:44	KDM	P5K0446
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/20/15 17:44	KDM	P5K0446
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/20/15 17:44	KDM	P5K0446
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/20/15 17:44	KDM	P5K0446
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/20/15 17:44	KDM	P5K0446
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 17:44	KDM	P5K0446
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/20/15 17:44	KDM	P5K0446
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/20/15 17:44	KDM	P5K0446
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/20/15 17:44	KDM	P5K0446
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 17:44	KDM	P5K0446
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 17:44	KDM	P5K0446
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/20/15 17:44	KDM	P5K0446
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 17:44	KDM	P5K0446
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 17:44	KDM	P5K0446
cis-1,2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/20/15 17:44	KDM	P5K0446
,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 17:44	KDM	P5K0446

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: TB-2B
Prism Sample ID: 5110320-01
Prism Work Order: 5110320
Time Collected: 11/10/15 11:07
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/20/15 17:44	KDM	P5K0446
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/20/15 17:44	KDM	P5K0446
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/20/15 17:44	KDM	P5K0446
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/20/15 17:44	KDM	P5K0446
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/20/15 17:44	KDM	P5K0446
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 17:44	KDM	P5K0446
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 17:44	KDM	P5K0446
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/20/15 17:44	KDM	P5K0446
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/20/15 17:44	KDM	P5K0446
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/20/15 17:44	KDM	P5K0446
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/20/15 17:44	KDM	P5K0446
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/20/15 17:44	KDM	P5K0446
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/20/15 17:44	KDM	P5K0446
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/20/15 17:44	KDM	P5K0446
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/20/15 17:44	KDM	P5K0446
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 17:44	KDM	P5K0446
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/20/15 17:44	KDM	P5K0446
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/20/15 17:44	KDM	P5K0446
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/20/15 17:44	KDM	P5K0446
Toluene	**14 J**	**ug/L**	**600**	**0.044**	**1**	**8260B**	**11/20/15 17:44**	**KDM**	**P5K0446**
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/20/15 17:44	KDM	P5K0446
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/20/15 17:44	KDM	P5K0446
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/20/15 17:44	KDM	P5K0446
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 17:44	KDM	P5K0446
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/20/15 17:44	KDM	P5K0446
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/20/15 17:44	KDM	P5K0446
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/20/15 17:44	KDM	P5K0446

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	BRL	ug/L	3.0	0.52	1	*8260B SIM	11/23/15 17:51	ANG	P5K0458

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: TB-3A
Prism Sample ID: 5110320-02
Prism Work Order: 5110320
Time Collected: 11/10/15 11:55
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	11/19/15 23:28	BGM	P5K0296
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	11/19/15 23:28	BGM	P5K0296
Chromium	**0.025**	**mg/L**	**0.010**	**0.00060**	**1**	***6010C**	**11/19/15 23:28**	**BGM**	**P5K0296**
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	11/19/15 23:28	BGM	P5K0296
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 18:10	KDM	P5K0446
1,1,1-Trichloroethane	**1.1 J**	**ug/L**	**200**	**0.061**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/20/15 18:10	KDM	P5K0446
1,1,2-Trichloroethane	**1.9 J**	**ug/L**	**5.0**	**0.066**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
1,1-Dichloroethane	**60**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
1,1-Dichloroethylene	**460**	**ug/L**	**70**	**0.83**	**10**	**8260B**	**11/24/15 15:41**	**KDM**	**P5K0446**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 18:10	KDM	P5K0446
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/20/15 18:10	KDM	P5K0446
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/20/15 18:10	KDM	P5K0446
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/20/15 18:10	KDM	P5K0446
[illegible]2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 18:10	KDM	P5K0446
[illegible]-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/20/15 18:10	KDM	P5K0446
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 18:10	KDM	P5K0446
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:10	KDM	P5K0446
1,2-Dichloroethane	**2.4**	**ug/L**	**0.50**	**0.066**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 18:10	KDM	P5K0446
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:10	KDM	P5K0446
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 18:10	KDM	P5K0446
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/20/15 18:10	KDM	P5K0446
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 18:10	KDM	P5K0446
1,4-Dioxane	**210**	**ug/L**	**150**	**14**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/20/15 18:10	KDM	P5K0446
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/20/15 18:10	KDM	P5K0446
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/20/15 18:10	KDM	P5K0446
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/20/15 18:10	KDM	P5K0446
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/20/15 18:10	KDM	P5K0446
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/20/15 18:10	KDM	P5K0446
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/20/15 18:10	KDM	P5K0446
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/20/15 18:10	KDM	P5K0446
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/20/15 18:10	KDM	P5K0446
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/20/15 18:10	KDM	P5K0446
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/20/15 18:10	KDM	P5K0446
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 18:10	KDM	P5K0446
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/20/15 18:10	KDM	P5K0446
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/20/15 18:10	KDM	P5K0446
[illegible]hon disulfide	BRL	ug/L	700	0.075	1	8260B	11/20/15 18:10	KDM	P5K0446

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: TB-3A
Prism Sample ID: 5110320-02
Prism Work Order: 5110320
Time Collected: 11/10/15 11:55
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 18:10	KDM	P5K0446
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 18:10	KDM	P5K0446
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/20/15 18:10	KDM	P5K0446
Chloroform	**0.87**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 18:10	KDM	P5K0446
cis-1,2-Dichloroethylene	**10 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 18:10	KDM	P5K0446
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/20/15 18:10	KDM	P5K0446
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/20/15 18:10	KDM	P5K0446
Dichlorodifluoromethane	**2.7**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/20/15 18:10	KDM	P5K0446
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/20/15 18:10	KDM	P5K0446
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 18:10	KDM	P5K0446
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 18:10	KDM	P5K0446
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/20/15 18:10	KDM	P5K0446
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/20/15 18:10	KDM	P5K0446
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/20/15 18:10	KDM	P5K0446
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/20/15 18:10	KDM	P5K0446
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/20/15 18:10	KDM	P5K0446
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/20/15 18:10	KDM	P5K0446
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/20/15 18:10	KDM	P5K0446
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/20/15 18:10	KDM	P5K0446
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:10	KDM	P5K0446
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/20/15 18:10	KDM	P5K0446
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/20/15 18:10	KDM	P5K0446
Tetrachloroethylene	**11**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/20/15 18:10	KDM	P5K0446
trans-1,2-Dichloroethylene	**1.8 J**	**ug/L**	**100**	**0.094**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/20/15 18:10	KDM	P5K0446
Trichloroethylene	**11**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
Trichlorofluoromethane	**40**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**11/20/15 18:10**	**KDM**	**P5K0446**
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/20/15 18:10	KDM	P5K0446
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/20/15 18:10	KDM	P5K0446
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/20/15 18:10	KDM	P5K0446

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Trip Blank 101615-04
Prism Sample ID: 5110320-03
Prism Work Order: 5110320
Time Collected: 11/10/15 00:00
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 18:35	KDM	P5K0446
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/20/15 18:35	KDM	P5K0446
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/20/15 18:35	KDM	P5K0446
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/20/15 18:35	KDM	P5K0446
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/20/15 18:35	KDM	P5K0446
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/20/15 18:35	KDM	P5K0446
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/20/15 18:35	KDM	P5K0446
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 18:35	KDM	P5K0446
5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:35	KDM	P5K0446
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 18:35	KDM	P5K0446
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/20/15 18:35	KDM	P5K0446
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 18:35	KDM	P5K0446
1,4-Dioxane	**42 J**	**ug/L**	**150**	**14**	**1**	**8260B**	**11/20/15 18:35**	**KDM**	**P5K0446**
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/20/15 18:35	KDM	P5K0446
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/20/15 18:35	KDM	P5K0446
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/20/15 18:35	KDM	P5K0446
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/20/15 18:35	KDM	P5K0446
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/20/15 18:35	KDM	P5K0446
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/20/15 18:35	KDM	P5K0446
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/20/15 18:35	KDM	P5K0446
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/20/15 18:35	KDM	P5K0446
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/20/15 18:35	KDM	P5K0446
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/20/15 18:35	KDM	P5K0446
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/20/15 18:35	KDM	P5K0446
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 18:35	KDM	P5K0446
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/20/15 18:35	KDM	P5K0446
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/20/15 18:35	KDM	P5K0446
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/20/15 18:35	KDM	P5K0446
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 18:35	KDM	P5K0446
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 18:35	KDM	P5K0446
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/20/15 18:35	KDM	P5K0446
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:35	KDM	P5K0446
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 18:35	KDM	P5K0446
2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/20/15 18:35	KDM	P5K0446

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Radiator Specialty Co
Attn. Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Trip Blank 101615-04
Prism Sample ID: 5110320-03
Prism Work Order: 5110320
Time Collected: 11/10/15 00:00
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 18:35	KDM	P5K0446
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/20/15 18:35	KDM	P5K0446
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/20/15 18:35	KDM	P5K0446
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/20/15 18:35	KDM	P5K0446
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/20/15 18:35	KDM	P5K0446
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/20/15 18:35	KDM	P5K0446
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 18:35	KDM	P5K0446
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 18:35	KDM	P5K0446
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/20/15 18:35	KDM	P5K0446
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/20/15 18:35	KDM	P5K0446
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/20/15 18:35	KDM	P5K0446
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/20/15 18:35	KDM	P5K0446
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/20/15 18:35	KDM	P5K0446
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/20/15 18:35	KDM	P5K0446
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/20/15 18:35	KDM	P5K0446
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/20/15 18:35	KDM	P5K0446
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 18:35	KDM	P5K0446
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/20/15 18:35	KDM	P5K0446
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/20/15 18:35	KDM	P5K0446
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/20/15 18:35	KDM	P5K0446
Toluene	BRL	ug/L	600	0.044	1	8260B	11/20/15 18:35	KDM	P5K0446
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/20/15 18:35	KDM	P5K0446
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/20/15 18:35	KDM	P5K0446
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/20/15 18:35	KDM	P5K0446
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 18:35	KDM	P5K0446
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/20/15 18:35	KDM	P5K0446
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/20/15 18:35	KDM	P5K0446
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/20/15 18:35	KDM	P5K0446

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*99 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: HT-4A
Prism Sample ID: 5110320-04
Prism Work Order: 5110320
Time Collected: 11/11/15 11:05
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	11/19/15 23:37	BGM	P5K0296
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	11/19/15 23:37	BGM	P5K0296
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	11/19/15 23:37	BGM	P5K0296
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	11/19/15 23:37	BGM	P5K0296
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/18/15 1:42	CGP	P5K0363
1,1,1-Trichloroethane	**1.0 J**	**ug/L**	**200**	**0.061**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/18/15 1:42	CGP	P5K0363
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/18/15 1:42	CGP	P5K0363
1,1-Dichloroethane	**29**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
1,1-Dichloroethylene	**22**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/18/15 1:42	CGP	P5K0363
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/18/15 1:42	CGP	P5K0363
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 1:42	CGP	P5K0363
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/18/15 1:42	CGP	P5K0363
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/18/15 1:42	CGP	P5K0363
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/18/15 1:42	CGP	P5K0363
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/18/15 1:42	CGP	P5K0363
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/18/15 1:42	CGP	P5K0363
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/18/15 1:42	CGP	P5K0363
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/18/15 1:42	CGP	P5K0363
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/18/15 1:42	CGP	P5K0363
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/18/15 1:42	CGP	P5K0363
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/18/15 1:42	CGP	P5K0363
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/18/15 1:42	CGP	P5K0363
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/18/15 1:42	CGP	P5K0363
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/18/15 1:42	CGP	P5K0363
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/18/15 1:42	CGP	P5K0363
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/18/15 1:42	CGP	P5K0363
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/18/15 1:42	CGP	P5K0363
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/18/15 1:42	CGP	P5K0363
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/18/15 1:42	CGP	P5K0363
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/18/15 1:42	CGP	P5K0363
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/18/15 1:42	CGP	P5K0363

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: HT-4A
Prism Sample ID: 5110320-04
Prism Work Order: 5110320
Time Collected: 11/11/15 11:05
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/18/15 1:42	CGP	P5K0363
Chloroform	**0.56**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/18/15 1:42	CGP	P5K0363
cis-1,2-Dichloroethylene	**14 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/18/15 1:42	CGP	P5K0363
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/18/15 1:42	CGP	P5K0363
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/18/15 1:42	CGP	P5K0363
Dichlorodifluoromethane	**1.1**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/18/15 1:42	CGP	P5K0363
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/18/15 1:42	CGP	P5K0363
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/18/15 1:42	CGP	P5K0363
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/18/15 1:42	CGP	P5K0363
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/18/15 1:42	CGP	P5K0363
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/18/15 1:42	CGP	P5K0363
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/18/15 1:42	CGP	P5K0363
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/18/15 1:42	CGP	P5K0363
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/18/15 1:42	CGP	P5K0363
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/18/15 1:42	CGP	P5K0363
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/18/15 1:42	CGP	P5K0363
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/18/15 1:42	CGP	P5K0363
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 1:42	CGP	P5K0363
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/18/15 1:42	CGP	P5K0363
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/18/15 1:42	CGP	P5K0363
Tetrachloroethylene	**2.1**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
Toluene	**3.5 J**	**ug/L**	**600**	**0.044**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
trans-1,2-Dichloroethylene	**1.4 J**	**ug/L**	**100**	**0.094**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/18/15 1:42	CGP	P5K0363
Trichloroethylene	**1.6 J**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
Trichlorofluoromethane	**0.93**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**11/18/15 1:42**	**CGP**	**P5K0363**
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/18/15 1:42	CGP	P5K0363
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/18/15 1:42	CGP	P5K0363
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/18/15 1:42	CGP	P5K0363

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*103 %*	*75-129*
Toluene-d8	*99 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	18	ug/L	3.0	0.52	1	*8260B SIM	11/23/15 15:40	ANG	P5K0458

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: HT-2A
Prism Sample ID: 5110320-05
Prism Work Order: 5110320
Time Collected: 11/12/15 09:20
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 20:16	KDM	P5K0446
1,1,1-Trichloroethane	**1.2 J**	**ug/L**	**200**	**0.061**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/20/15 20:16	KDM	P5K0446
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/20/15 20:16	KDM	P5K0446
1,1-Dichloroethane	**99**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
1,1-Dichloroethylene	**84**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:16	KDM	P5K0446
1,2-Dichloroethane	**0.70**	**ug/L**	**0.50**	**0.066**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 20:16	KDM	P5K0446
5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:16	KDM	P5K0446
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 20:16	KDM	P5K0446
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/20/15 20:16	KDM	P5K0446
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 20:16	KDM	P5K0446
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/20/15 20:16	KDM	P5K0446
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/20/15 20:16	KDM	P5K0446
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/20/15 20:16	KDM	P5K0446
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/20/15 20:16	KDM	P5K0446
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/20/15 20:16	KDM	P5K0446
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/20/15 20:16	KDM	P5K0446
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/20/15 20:16	KDM	P5K0446
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/20/15 20:16	KDM	P5K0446
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/20/15 20:16	KDM	P5K0446
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/20/15 20:16	KDM	P5K0446
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/20/15 20:16	KDM	P5K0446
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 20:16	KDM	P5K0446
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/20/15 20:16	KDM	P5K0446
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/20/15 20:16	KDM	P5K0446
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/20/15 20:16	KDM	P5K0446
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 20:16	KDM	P5K0446
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 20:16	KDM	P5K0446
Chloroethane	**6.1 J**	**ug/L**	**3000**	**0.22**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:16	KDM	P5K0446
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 20:16	KDM	P5K0446
cis-1,2-Dichloroethylene	**20 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 20:16	KDM	P5K0446

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: HT-2A
Prism Sample ID: 5110320-05
Prism Work Order: 5110320
Time Collected: 11/12/15 09:20
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/20/15 20:16	KDM	P5K0446
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/20/15 20:16	KDM	P5K0446
Dichlorodifluoromethane	**1.4**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/20/15 20:16	KDM	P5K0446
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/20/15 20:16	KDM	P5K0446
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 20:16	KDM	P5K0446
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 20:16	KDM	P5K0446
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/20/15 20:16	KDM	P5K0446
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/20/15 20:16	KDM	P5K0446
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/20/15 20:16	KDM	P5K0446
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/20/15 20:16	KDM	P5K0446
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/20/15 20:16	KDM	P5K0446
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/20/15 20:16	KDM	P5K0446
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/20/15 20:16	KDM	P5K0446
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/20/15 20:16	KDM	P5K0446
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:16	KDM	P5K0446
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/20/15 20:16	KDM	P5K0446
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/20/15 20:16	KDM	P5K0446
Tetrachloroethylene	**5.1**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/20/15 20:16	KDM	P5K0446
trans-1,2-Dichloroethylene	**1.0 J**	**ug/L**	**100**	**0.094**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/20/15 20:16	KDM	P5K0446
Trichloroethylene	**4.8**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 20:16	KDM	P5K0446
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/20/15 20:16	KDM	P5K0446
Vinyl chloride	**1.1**	**ug/L**	**0.50**	**0.097**	**1**	**8260B**	**11/20/15 20:16**	**KDM**	**P5K0446**
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/20/15 20:16	KDM	P5K0446

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**38**	**ug/L**	**3.0**	**0.52**	**1**	***8260B SIM**	**11/23/15 16:13**	**ANG**	**P5K0458**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-9
Prism Sample ID: 5110320-06
Prism Work Order: 5110320
Time Collected: 11/12/15 12:55
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	11/19/15 23:45	BGM	P5K0296
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	11/19/15 23:45	BGM	P5K0296
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	11/19/15 23:45	BGM	P5K0296
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	11/19/15 23:45	BGM	P5K0296
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 20:42	KDM	P5K0446
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/20/15 20:42	KDM	P5K0446
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/20/15 20:42	KDM	P5K0446
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/20/15 20:42	KDM	P5K0446
1,1-Dichloroethane	28	ug/L	6.0	0.083	1	8260B	11/20/15 20:42	KDM	P5K0446
1,1-Dichloroethylene	18	ug/L	7.0	0.083	1	8260B	11/20/15 20:42	KDM	P5K0446
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 20:42	KDM	P5K0446
-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/20/15 20:42	KDM	P5K0446
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 20:42	KDM	P5K0446
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:42	KDM	P5K0446
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 20:42	KDM	P5K0446
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/20/15 20:42	KDM	P5K0446
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 20:42	KDM	P5K0446
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/20/15 20:42	KDM	P5K0446
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/20/15 20:42	KDM	P5K0446
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/20/15 20:42	KDM	P5K0446
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/20/15 20:42	KDM	P5K0446
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/20/15 20:42	KDM	P5K0446
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/20/15 20:42	KDM	P5K0446
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/20/15 20:42	KDM	P5K0446
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/20/15 20:42	KDM	P5K0446
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/20/15 20:42	KDM	P5K0446
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/20/15 20:42	KDM	P5K0446
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/20/15 20:42	KDM	P5K0446
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 20:42	KDM	P5K0446
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/20/15 20:42	KDM	P5K0446
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/20/15 20:42	KDM	P5K0446
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/20/15 20:42	KDM	P5K0446
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 20:42	KDM	P5K0446
robenzene	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 20:42	KDM	P5K0446

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-9
Prism Sample ID: 5110320-06
Prism Work Order: 5110320
Time Collected: 11/12/15 12:55
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/20/15 20:42	KDM	P5K0446
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:42	KDM	P5K0446
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 20:42	KDM	P5K0446
cis-1,2-Dichloroethylene	**9.2 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/20/15 20:42**	**KDM**	**P5K0446**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 20:42	KDM	P5K0446
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/20/15 20:42	KDM	P5K0446
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/20/15 20:42	KDM	P5K0446
Dichlorodifluoromethane	**1.6**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/20/15 20:42**	**KDM**	**P5K0446**
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/20/15 20:42	KDM	P5K0446
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/20/15 20:42	KDM	P5K0446
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 20:42	KDM	P5K0446
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 20:42	KDM	P5K0446
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/20/15 20:42	KDM	P5K0446
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/20/15 20:42	KDM	P5K0446
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/20/15 20:42	KDM	P5K0446
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/20/15 20:42	KDM	P5K0446
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/20/15 20:42	KDM	P5K0446
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/20/15 20:42	KDM	P5K0446
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/20/15 20:42	KDM	P5K0446
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/20/15 20:42	KDM	P5K0446
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 20:42	KDM	P5K0446
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/20/15 20:42	KDM	P5K0446
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/20/15 20:42	KDM	P5K0446
Tetrachloroethylene	**5.4**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/20/15 20:42**	**KDM**	**P5K0446**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/20/15 20:42	KDM	P5K0446
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/20/15 20:42	KDM	P5K0446
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/20/15 20:42	KDM	P5K0446
Trichloroethylene	**2.3 J**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/20/15 20:42**	**KDM**	**P5K0446**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 20:42	KDM	P5K0446
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/20/15 20:42	KDM	P5K0446
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/20/15 20:42	KDM	P5K0446
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/20/15 20:42	KDM	P5K0446

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*100 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**6.5**	**ug/L**	**3.0**	**0.52**	**1**	***8260B SIM**	**11/23/15 16:46**	**ANG**	**P5K0458**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-8
Prism Sample ID: 5110320-07
Prism Work Order: 5110320
Time Collected: 11/12/15 13:05
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Arsenic	**0.044**	mg/L	**0.010**	**0.00070**	**1**	*6010C	**11/19/15 23:53**	**BGM**	**P5K0296**
Cadmium	**0.0091**	mg/L	0.0020	**0.00010**	**1**	*6010C	**11/19/15 23:53**	**BGM**	**P5K0296**
Chromium	**0.095**	mg/L	0.010	**0.00060**	1	*6010C	**11/19/15 23:53**	**BGM**	**P5K0296**
Lead	**0.12**	mg/L	0.015	0.0013	1	*6010C	11/19/15 23:53	BGM	P5K0296
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/18/15 2:08	CGP	P5K0363
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/18/15 2:08	CGP	P5K0363
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/18/15 2:08	CGP	P5K0363
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/18/15 2:08	CGP	P5K0363
1,1-Dichloroethane	**8.0**	**ug/L**	**6.0**	**0.083**	**1**	**8260B**	**11/18/15 2:08**	**CGP**	**P5K0363**
1,1-Dichloroethylene	**5.4 J**	**ug/L**	**7.0**	**0.083**	**1**	**8260B**	**11/18/15 2:08**	**CGP**	**P5K0363**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/18/15 2:08	CGP	P5K0363
[illegible]4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/18/15 2:08	CGP	P5K0363
[illegible]-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/18/15 2:08	CGP	P5K0363
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/18/15 2:08	CGP	P5K0363
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 2:08	CGP	P5K0363
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/18/15 2:08	CGP	P5K0363
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/18/15 2:08	CGP	P5K0363
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/18/15 2:08	CGP	P5K0363
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/18/15 2:08	CGP	P5K0363
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/18/15 2:08	CGP	P5K0363
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/18/15 2:08	CGP	P5K0363
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/18/15 2:08	CGP	P5K0363
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/18/15 2:08	CGP	P5K0363
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/18/15 2:08	CGP	P5K0363
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/18/15 2:08	CGP	P5K0363
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/18/15 2:08	CGP	P5K0363
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/18/15 2:08	CGP	P5K0363
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/18/15 2:08	CGP	P5K0363
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/18/15 2:08	CGP	P5K0363
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/18/15 2:08	CGP	P5K0363
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/18/15 2:08	CGP	P5K0363
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/18/15 2:08	CGP	P5K0363
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/18/15 2:08	CGP	P5K0363
[illegible]bon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/18/15 2:08	CGP	P5K0363

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-8
Prism Sample ID: 5110320-07
Prism Work Order: 5110320
Time Collected: 11/12/15 13:05
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/18/15 2:08	CGP	P5K0363
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/18/15 2:08	CGP	P5K0363
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 2:08	CGP	P5K0363
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/18/15 2:08	CGP	P5K0363
cis-1,2-Dichloroethylene	**2.0 J**	**ug/L**	**70**	**0.056**	**1**	**8260B**	**11/18/15 2:08**	**CGP**	**P5K0363**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/18/15 2:08	CGP	P5K0363
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/18/15 2:08	CGP	P5K0363
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/18/15 2:08	CGP	P5K0363
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/18/15 2:08	CGP	P5K0363
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/18/15 2:08	CGP	P5K0363
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/18/15 2:08	CGP	P5K0363
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/18/15 2:08	CGP	P5K0363
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/18/15 2:08	CGP	P5K0363
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/18/15 2:08	CGP	P5K0363
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/18/15 2:08	CGP	P5K0363
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/18/15 2:08	CGP	P5K0363
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/18/15 2:08	CGP	P5K0363
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/18/15 2:08	CGP	P5K0363
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/18/15 2:08	CGP	P5K0363
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/18/15 2:08	CGP	P5K0363
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/18/15 2:08	CGP	P5K0363
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/18/15 2:08	CGP	P5K0363
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/18/15 2:08	CGP	P5K0363
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/18/15 2:08	CGP	P5K0363
Tetrachloroethylene	**0.90**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/18/15 2:08**	**CGP**	**P5K0363**
Toluene	BRL	ug/L	600	0.044	1	8260B	11/18/15 2:08	CGP	P5K0363
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/18/15 2:08	CGP	P5K0363
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/18/15 2:08	CGP	P5K0363
Trichloroethylene	**0.51 J**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/18/15 2:08**	**CGP**	**P5K0363**
Trichlorofluoromethane	**0.60**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**11/18/15 2:08**	**CGP**	**P5K0363**
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/18/15 2:08	CGP	P5K0363
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/18/15 2:08	CGP	P5K0363
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/18/15 2:08	CGP	P5K0363

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*80-124*
Dibromofluoromethane	*103 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

Volatile Organic Compounds by GC/MS SIM

1,4-Dioxane	**3.3**	**ug/L**	**3.0**	**0.52**	**1**	***8260B SIM**	**11/23/15 17:18**	**ANG**	**P5K0458**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Trip Blank 101615-019
Prism Sample ID: 5110320-08
Prism Work Order: 5110320
Time Collected: 11/12/15 00:00
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 19:00	KDM	P5K0446
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/20/15 19:00	KDM	P5K0446
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/20/15 19:00	KDM	P5K0446
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/20/15 19:00	KDM	P5K0446
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/20/15 19:00	KDM	P5K0446
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/20/15 19:00	KDM	P5K0446
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/20/15 19:00	KDM	P5K0446
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 19:00	KDM	P5K0446
,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 19:00	KDM	P5K0446
,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 19:00	KDM	P5K0446
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/20/15 19:00	KDM	P5K0446
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 19:00	KDM	P5K0446
1,4-Dioxane	BRL	ug/L	150	14	1	8260B	11/20/15 19:00	KDM	P5K0446
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/20/15 19:00	KDM	P5K0446
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/20/15 19:00	KDM	P5K0446
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/20/15 19:00	KDM	P5K0446
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/20/15 19:00	KDM	P5K0446
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/20/15 19:00	KDM	P5K0446
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/20/15 19:00	KDM	P5K0446
Acrolein	BRL	ug/L	20	0.20	1	8260B	11/20/15 19:00	KDM	P5K0446
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/20/15 19:00	KDM	P5K0446
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/20/15 19:00	KDM	P5K0446
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/20/15 19:00	KDM	P5K0446
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/20/15 19:00	KDM	P5K0446
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 19:00	KDM	P5K0446
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/20/15 19:00	KDM	P5K0446
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/20/15 19:00	KDM	P5K0446
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/20/15 19:00	KDM	P5K0446
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/20/15 19:00	KDM	P5K0446
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 19:00	KDM	P5K0446
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/20/15 19:00	KDM	P5K0446
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 19:00	KDM	P5K0446
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 19:00	KDM	P5K0446
,2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/20/15 19:00	KDM	P5K0446

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Trip Blank 101615-019
Prism Sample ID: 5110320-08
Prism Work Order: 5110320
Time Collected: 11/12/15 00:00
Time Submitted: 11/12/15 16:45

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/20/15 19:00	KDM	P5K0446
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/20/15 19:00	KDM	P5K0446
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/20/15 19:00	KDM	P5K0446
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/20/15 19:00	KDM	P5K0446
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/20/15 19:00	KDM	P5K0446
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/20/15 19:00	KDM	P5K0446
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/20/15 19:00	KDM	P5K0446
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/20/15 19:00	KDM	P5K0446
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/20/15 19:00	KDM	P5K0446
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/20/15 19:00	KDM	P5K0446
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/20/15 19:00	KDM	P5K0446
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/20/15 19:00	KDM	P5K0446
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/20/15 19:00	KDM	P5K0446
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/20/15 19:00	KDM	P5K0446
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/20/15 19:00	KDM	P5K0446
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/20/15 19:00	KDM	P5K0446
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/20/15 19:00	KDM	P5K0446
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/20/15 19:00	KDM	P5K0446
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/20/15 19:00	KDM	P5K0446
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/20/15 19:00	KDM	P5K0446
Toluene	BRL	ug/L	600	0.044	1	8260B	11/20/15 19:00	KDM	P5K0446
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/20/15 19:00	KDM	P5K0446
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/20/15 19:00	KDM	P5K0446
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/20/15 19:00	KDM	P5K0446
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/20/15 19:00	KDM	P5K0446
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/20/15 19:00	KDM	P5K0446
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/20/15 19:00	KDM	P5K0446
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/20/15 19:00	KDM	P5K0446

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*98 %*	*77-123*

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0363 - 5030B										
Blank (P5K0363-BLK1)				Prepared & Analyzed: 11/17/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	200	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	5.0	ug/L							
1,1-Dichloroethane	BRL	6.0	ug/L							
1,1-Dichloroethylene	BRL	7.0	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
` 5-Trimethylbenzene	BRL	0.50	ug/L							
,-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
1,4-Dioxane	BRL	150	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	100	ug/L							
4-Chlorotoluene	BRL	5.0	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	6000	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	700	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	3000	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	70	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
,rodifluoromethane	BRL	1.0	ug/L							

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Prism Work Order: 5110320
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0363 - 5030B										
Blank (P5K0363-BLK1)				Prepared & Analyzed: 11/17/15						
Ethylbenzene	BRL	600	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	4000	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	5.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.70	ug/L							
Toluene	BRL	600	ug/L							
trans-1,2-Dichloroethylene	BRL	100	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	3.0	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	500	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.3*		*ug/L*	*50.00*		*99*	*80-124*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.00*		*98*	*75-129*			
Surrogate: Toluene-d8	*49.5*		*ug/L*	*50.00*		*99*	*77-123*			

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600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0363 - 5030B										
LCS (P5K0363-BS1)				Prepared & Analyzed: 11/17/15						
1,1,1,2-Tetrachloroethane	20.0	0.50	ug/L	20.00		100	79-134			
1,1,1-Trichloroethane	20.7	200	ug/L	20.00		104	75-136			J
1,1,2,2-Tetrachloroethane	18.9	0.50	ug/L	20.00		95	62-127			
1,1,2-Trichloroethane	19.0	5.0	ug/L	20.00		95	70-140			
1,1-Dichloroethane	20.3	6.0	ug/L	20.00		101	78-130			
1,1-Dichloroethylene	19.5	7.0	ug/L	20.00		97	70-154			
1,1-Dichloropropylene	19.6	0.50	ug/L	20.00		98	71-136			
1,2,3-Trichlorobenzene	18.1	2.0	ug/L	20.00		91	58-144			
1,2,3-Trichloropropane	20.6	1.0	ug/L	20.00		103	71-127			
1,2,4-Trichlorobenzene	19.6	1.0	ug/L	20.00		98	66-139			
1,2,4-Trimethylbenzene	20.0	0.50	ug/L	20.00		100	75-133			
1,2-Dibromo-3-chloropropane	20.1	2.0	ug/L	20.00		101	63-134			
1,2-Dibromoethane	19.2	0.50	ug/L	20.00		96	77-135			
1,2-Dichlorobenzene	19.3	0.50	ug/L	20.00		97	78-128			
1,2-Dichloroethane	18.8	0.50	ug/L	20.00		94	68-131			
1,2-Dichloropropane	20.0	0.50	ug/L	20.00		100	77-130			
,5-Trimethylbenzene	20.3	0.50	ug/L	20.00		102	75-131			
-Dichlorobenzene	19.3	0.50	ug/L	20.00		97	77-125			
1,3-Dichloropropane	19.5	0.50	ug/L	20.00		97	76-132			
1,4-Dichlorobenzene	18.9	0.50	ug/L	20.00		95	75-126			
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130			
2,2-Dichloropropane	20.4	2.0	ug/L	20.00		102	29-149			
2-Chloroethyl Vinyl Ether	18.6	5.0	ug/L	20.00		93	34-144			
2-Chlorotoluene	19.8	100	ug/L	20.00		99	74-126			J
4-Chlorotoluene	19.4	5.0	ug/L	20.00		97	78-129			
4-Isopropyltoluene	20.2	0.50	ug/L	20.00		101	69-132			
Acetone	37.7	6000	ug/L	40.00		94	40-166			J
Acrolein	39.2	20	ug/L	40.00		98	70-130			
Acrylonitrile	38.8	20	ug/L	40.00		97	81-127			
Benzene	20.1	1.0	ug/L	20.00		101	77-128			
Bromobenzene	19.5	0.50	ug/L	20.00		98	78-129			
Bromochloromethane	19.9	0.50	ug/L	20.00		100	78-135			
Bromodichloromethane	20.5	0.50	ug/L	20.00		102	76-138			
Bromoform	21.2	1.0	ug/L	20.00		106	71-135			
Bromomethane	18.5	1.0	ug/L	20.00		92	41-168			
Carbon disulfide	22.2	700	ug/L	20.00		111	59-135			J
Carbon Tetrachloride	19.0	0.50	ug/L	20.00		95	72-142			
Chlorobenzene	19.8	0.50	ug/L	20.00		99	78-119			
Chloroethane	21.6	3000	ug/L	20.00		108	57-142			J
cis-1,2-Dichloroethylene	19.5	70	ug/L	20.00		97	76-141			J
cis-1,3-Dichloropropylene	20.2	0.50	ug/L	20.00		101	65-140			
Dibromochloromethane	20.0	0.50	ug/L	20.00		100	75-134			
Dibromomethane	19.9	0.50	ug/L	20.00		100	76-138			
Dichlorodifluoromethane	20.1	1.0	ug/L	20.00		101	28-163			
Ethylbenzene	19.7	600	ug/L	20.00		98	80-127			J
chlorobutadiene	21.3	2.0	ug/L	20.00		106	61-134			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0363 - 5030B										
LCS (P5K0363-BS1)				Prepared & Analyzed: 11/17/15						
Isopropyl Ether	19.4	0.50	ug/L	20.00		97	60-154			
Isopropylbenzene (Cumene)	19.7	0.50	ug/L	20.00		98	70-130			
Methyl Butyl Ketone (2-Hexanone)	18.3	5.0	ug/L	20.00		91	64-137			
Methyl Ethyl Ketone (2-Butanone)	19.2	4000	ug/L	20.00		96	71-134			J
Methyl Isobutyl Ketone	18.9	5.0	ug/L	20.00		95	69-134			
Methylene Chloride	18.0	5.0	ug/L	20.00		90	73-131			
Methyl-tert-Butyl Ether	20.4	0.50	ug/L	20.00		102	68-135			
Naphthalene	18.9	1.0	ug/L	20.00		94	64-136			
n-Butylbenzene	19.3	1.0	ug/L	20.00		96	68-134			
n-Propylbenzene	19.2	0.50	ug/L	20.00		96	72-132			
sec-Butylbenzene	17.4	0.50	ug/L	20.00		87	71-131			
Styrene	20.3	0.50	ug/L	20.00		101	78-129			
tert-Butylbenzene	19.6	0.50	ug/L	20.00		98	70-132			
Tetrachloroethylene	19.4	0.70	ug/L	20.00		97	80-129			
Toluene	19.8	600	ug/L	20.00		99	76-131			J
trans-1,2-Dichloroethylene	20.4	100	ug/L	20.00		102	76-135			J
trans-1,3-Dichloropropylene	20.3	0.50	ug/L	20.00		101	67-140			
Trichloroethylene	20.6	3.0	ug/L	20.00		103	77-133			
Trichlorofluoromethane	20.9	0.50	ug/L	20.00		104	62-148			
Vinyl acetate	19.2	2.0	ug/L	20.00		96	34-167			
Vinyl chloride	22.8	0.50	ug/L	20.00		114	57-141			
Xylenes, total	58.4	500	ug/L	60.00		97	77-133			J
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50.00*		*100*	*80-124*			
Surrogate: Dibromofluoromethane	*50.4*		*ug/L*	*50.00*		*101*	*75-129*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50.00*		*99*	*77-123*			
LCS Dup (P5K0363-BSD1)				Prepared & Analyzed: 11/17/15						
1,1,1,2-Tetrachloroethane	19.6	0.50	ug/L	20.00		98	79-134	2	20	
1,1,1-Trichloroethane	20.4	200	ug/L	20.00		102	75-136	2	20	J
1,1,2,2-Tetrachloroethane	19.6	0.50	ug/L	20.00		98	62-127	3	20	
1,1,2-Trichloroethane	19.3	5.0	ug/L	20.00		96	70-140	2	20	
1,1-Dichloroethane	19.5	6.0	ug/L	20.00		97	78-130	4	20	
1,1-Dichloroethylene	19.0	7.0	ug/L	20.00		95	70-154	3	20	
1,1-Dichloropropylene	18.9	0.50	ug/L	20.00		95	71-136	3	20	
1,2,3-Trichlorobenzene	20.8	2.0	ug/L	20.00		104	58-144	14	20	
1,2,3-Trichloropropane	20.2	1.0	ug/L	20.00		101	71-127	2	20	
1,2,4-Trichlorobenzene	20.0	1.0	ug/L	20.00		100	66-139	2	20	
1,2,4-Trimethylbenzene	19.7	0.50	ug/L	20.00		99	75-133	1	20	
1,2-Dibromo-3-chloropropane	20.7	2.0	ug/L	20.00		104	63-134	3	20	
1,2-Dibromoethane	19.3	0.50	ug/L	20.00		96	77-135	0.6	20	
1,2-Dichlorobenzene	19.4	0.50	ug/L	20.00		97	78-128	0.2	20	
1,2-Dichloroethane	18.5	0.50	ug/L	20.00		93	68-131	1	20	
1,2-Dichloropropane	19.5	0.50	ug/L	20.00		98	77-130	3	20	
1,3,5-Trimethylbenzene	20.4	0.50	ug/L	20.00		102	75-131	0.4	20	
1,3-Dichlorobenzene	19.0	0.50	ug/L	20.00		95	77-125	2	20	
1,3-Dichloropropane	19.9	0.50	ug/L	20.00		99	76-132	2	20	
1,4-Dichlorobenzene	18.8	0.50	ug/L	20.00		94	75-126	0.6	20	

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adiator Specialty Co
ttn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0363 - 5030B										
LCS Dup (P5K0363-BSD1)				Prepared & Analyzed: 11/17/15						
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130	0	20	
2,2-Dichloropropane	20.0	2.0	ug/L	20.00		100	29-149	2	20	
2-Chloroethyl Vinyl Ether	20.3	5.0	ug/L	20.00		102	34-144	9	20	
2-Chlorotoluene	19.5	100	ug/L	20.00		97	74-126	2	20	J
4-Chlorotoluene	19.4	5.0	ug/L	20.00		97	78-129	0.1	20	
4-Isopropyltoluene	20.1	0.50	ug/L	20.00		100	69-132	0.4	20	
Acetone	33.6	6000	ug/L	40.00		84	40-166	11	20	J
Acrolein	38.4	20	ug/L	40.00		96	70-130	2	20	
Acrylonitrile	40.2	20	ug/L	40.00		101	81-127	4	20	
Benzene	19.7	1.0	ug/L	20.00		98	77-128	2	20	
Bromobenzene	19.5	0.50	ug/L	20.00		98	78-129	0.1	20	
Bromochloromethane	20.1	0.50	ug/L	20.00		101	78-135	0.9	20	
Bromodichloromethane	19.7	0.50	ug/L	20.00		99	76-138	4	20	
Bromoform	21.6	1.0	ug/L	20.00		108	71-135	2	20	
Bromomethane	18.6	1.0	ug/L	20.00		93	41-168	0.9	20	
Carbon disulfide	21.6	700	ug/L	20.00		108	59-135	3	20	J
rbon Tetrachloride	18.6	0.50	ug/L	20.00		93	72-142	2	20	
orobenzene	19.4	0.50	ug/L	20.00		97	78-119	2	20	
Chloroethane	21.4	3000	ug/L	20.00		107	57-142	1	20	J
cis-1,2-Dichloroethylene	18.9	70	ug/L	20.00		94	76-141	3	20	J
cis-1,3-Dichloropropylene	19.8	0.50	ug/L	20.00		99	65-140	2	20	
Dibromochloromethane	20.1	0.50	ug/L	20.00		101	75-134	0.8	20	
Dibromomethane	19.8	0.50	ug/L	20.00		99	76-138	0.6	20	
Dichlorodifluoromethane	19.9	1.0	ug/L	20.00		99	28-163	1	20	
Ethylbenzene	19.3	600	ug/L	20.00		97	80-127	2	20	J
Hexachlorobutadiene	22.1	2.0	ug/L	20.00		111	61-134	4	20	
Isopropyl Ether	18.8	0.50	ug/L	20.00		94	60-154	3	20	
Isopropylbenzene (Cumene)	19.4	0.50	ug/L	20.00		97	70-130	1	20	
Methyl Butyl Ketone (2-Hexanone)	18.8	5.0	ug/L	20.00		94	64-137	3	20	
Methyl Ethyl Ketone (2-Butanone)	19.6	4000	ug/L	20.00		98	71-134	2	20	J
Methyl Isobutyl Ketone	19.2	5.0	ug/L	20.00		96	69-134	1	20	
Methylene Chloride	16.8	5.0	ug/L	20.00		84	73-131	7	20	
Methyl-tert-Butyl Ether	20.3	0.50	ug/L	20.00		102	68-135	0.7	20	
Naphthalene	20.0	1.0	ug/L	20.00		100	64-136	6	20	
n-Butylbenzene	19.4	1.0	ug/L	20.00		97	68-134	0.4	20	
n-Propylbenzene	19.3	0.50	ug/L	20.00		96	72-132	0.3	20	
sec-Butylbenzene	17.7	0.50	ug/L	20.00		89	71-131	2	20	
Styrene	20.2	0.50	ug/L	20.00		101	78-129	0.2	20	
tert-Butylbenzene	19.6	0.50	ug/L	20.00		98	70-132	0.3	20	
Tetrachloroethylene	19.0	0.70	ug/L	20.00		95	80-129	2	20	
Toluene	19.2	600	ug/L	20.00		96	76-131	3	20	J
trans-1,2-Dichloroethylene	18.9	100	ug/L	20.00		94	76-135	8	20	J
trans-1,3-Dichloropropylene	20.2	0.50	ug/L	20.00		101	67-140	0.2	20	
Trichloroethylene	20.7	3.0	ug/L	20.00		104	77-133	0.5	20	
Trichlorofluoromethane	20.2	0.50	ug/L	20.00		101	62-148	4	20	
acetate	19.2	2.0	ug/L	20.00		96	34-167	0.2	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0363 - 5030B										
LCS Dup (P5K0363-BSD1)				Prepared & Analyzed: 11/17/15						
Vinyl chloride	22.1	0.50	ug/L	20.00		111	57-141	3	20	
Xylenes, total	57.7	500	ug/L	60.00		96	77-133	1	20	J
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/L*	*50.00*		*101*	*80-124*			
Surrogate: Dibromofluoromethane	*49.3*		*ug/L*	*50.00*		*99*	*75-129*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*77-123*			
Batch P5K0446 - 5030B										
Blank (P5K0446-BLK1)				Prepared & Analyzed: 11/20/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	200	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	5.0	ug/L							
1,1-Dichloroethane	BRL	6.0	ug/L							
1,1-Dichloroethylene	BRL	7.0	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
1,4-Dioxane	BRL	150	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	100	ug/L							
4-Chlorotoluene	BRL	5.0	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	6000	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	700	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							

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adiator Specialty Co
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600 Radiator Rd,
Indian Trail, NC 28079

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Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0446 - 5030B										
Blank (P5K0446-BLK1)				Prepared & Analyzed: 11/20/15						
Chloroethane	BRL	3000	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	70	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							
Ethylbenzene	BRL	600	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	4000	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	5.0	ug/L							
thyl-tert-Butyl Ether	BRL	0.50	ug/L							
phthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.70	ug/L							
Toluene	BRL	600	ug/L							
trans-1,2-Dichloroethylene	BRL	100	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	3.0	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	500	ug/L							
Surrogate: 4-Bromofluorobenzene	*51.5*		*ug/L*	*50.00*		*103*	*80-124*			
Surrogate: Dibromofluoromethane	*49.7*		*ug/L*	*50.00*		*99*	*75-129*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.00*		*97*	*77-123*			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0446 - 5030B										
LCS (P5K0446-BS1)				Prepared & Analyzed: 11/20/15						
1,1,1,2-Tetrachloroethane	21.1	0.50	ug/L	20.00		105	79-134			
1,1,1-Trichloroethane	20.8	200	ug/L	20.00		104	75-136			J
1,1,2,2-Tetrachloroethane	19.5	0.50	ug/L	20.00		98	62-127			
1,1,2-Trichloroethane	20.2	5.0	ug/L	20.00		101	70-140			
1,1-Dichloroethane	20.6	6.0	ug/L	20.00		103	78-130			
1,1-Dichloroethylene	20.9	7.0	ug/L	20.00		105	70-154			
1,1-Dichloropropylene	20.5	0.50	ug/L	20.00		103	71-136			
1,2,3-Trichlorobenzene	19.9	2.0	ug/L	20.00		100	58-144			
1,2,3-Trichloropropane	19.5	1.0	ug/L	20.00		97	71-127			
1,2,4-Trichlorobenzene	20.2	1.0	ug/L	20.00		101	66-139			
1,2,4-Trimethylbenzene	21.2	0.50	ug/L	20.00		106	75-133			
1,2-Dibromo-3-chloropropane	20.4	2.0	ug/L	20.00		102	63-134			
1,2-Dibromoethane	20.6	0.50	ug/L	20.00		103	77-135			
1,2-Dichlorobenzene	20.2	0.50	ug/L	20.00		101	78-128			
1,2-Dichloroethane	19.6	0.50	ug/L	20.00		98	68-131			
1,2-Dichloropropane	20.4	0.50	ug/L	20.00		102	77-130			
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20.00		108	75-131			
1,3-Dichlorobenzene	19.9	0.50	ug/L	20.00		99	77-125			
1,3-Dichloropropane	21.1	0.50	ug/L	20.00		106	76-132			
1,4-Dichlorobenzene	19.7	0.50	ug/L	20.00		99	75-126			
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130			
2,2-Dichloropropane	22.1	2.0	ug/L	20.00		110	29-149			
2-Chloroethyl Vinyl Ether	20.9	5.0	ug/L	20.00		104	34-144			
2-Chlorotoluene	20.4	100	ug/L	20.00		102	74-126			J
4-Chlorotoluene	20.5	5.0	ug/L	20.00		102	78-129			
4-Isopropyltoluene	22.8	0.50	ug/L	20.00		114	69-132			
Acetone	42.6	6000	ug/L	40.00		106	40-166			J
Acrolein	38.3	20	ug/L	40.00		96	70-130			
Acrylonitrile	41.4	20	ug/L	40.00		103	81-127			
Benzene	21.1	1.0	ug/L	20.00		105	77-128			
Bromobenzene	20.1	0.50	ug/L	20.00		101	78-129			
Bromochloromethane	21.0	0.50	ug/L	20.00		105	78-135			
Bromodichloromethane	20.8	0.50	ug/L	20.00		104	76-138			
Bromoform	18.6	1.0	ug/L	20.00		93	71-135			
Bromomethane	17.1	1.0	ug/L	20.00		86	41-168			
Carbon disulfide	21.8	700	ug/L	20.00		109	59-135			J
Carbon Tetrachloride	19.9	0.50	ug/L	20.00		100	72-142			
Chlorobenzene	21.5	0.50	ug/L	20.00		107	78-119			
Chloroethane	18.4	3000	ug/L	20.00		92	57-142			J
cis-1,2-Dichloroethylene	20.6	70	ug/L	20.00		103	76-141			J
cis-1,3-Dichloropropylene	20.6	0.50	ug/L	20.00		103	65-140			
Dibromochloromethane	20.5	0.50	ug/L	20.00		103	75-134			
Dibromomethane	19.9	0.50	ug/L	20.00		100	76-138			
Dichlorodifluoromethane	15.9	1.0	ug/L	20.00		80	28-163			
Ethylbenzene	22.5	600	ug/L	20.00		112	80-127			J
Hexachlorobutadiene	21.2	2.0	ug/L	20.00		106	61-134			

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Prism Work Order: 5110320
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0446 - 5030B										
LCS (P5K0446-BS1)				Prepared & Analyzed: 11/20/15						
Isopropyl Ether	20.8	0.50	ug/L	20.00		104	60-154			
Isopropylbenzene (Cumene)	21.7	0.50	ug/L	20.00		109	70-130			
Methyl Butyl Ketone (2-Hexanone)	21.5	5.0	ug/L	20.00		108	64-137			
Methyl Ethyl Ketone (2-Butanone)	19.6	4000	ug/L	20.00		98	71-134			J
Methyl Isobutyl Ketone	20.7	5.0	ug/L	20.00		103	69-134			
Methylene Chloride	18.6	5.0	ug/L	20.00		93	73-131			
Methyl-tert-Butyl Ether	20.8	0.50	ug/L	20.00		104	68-135			
Naphthalene	20.5	1.0	ug/L	20.00		102	64-136			
n-Butylbenzene	22.1	1.0	ug/L	20.00		110	68-134			
n-Propylbenzene	21.3	0.50	ug/L	20.00		107	72-132			
sec-Butylbenzene	21.4	0.50	ug/L	20.00		107	71-131			
Styrene	22.0	0.50	ug/L	20.00		110	78-129			
tert-Butylbenzene	21.1	0.50	ug/L	20.00		106	70-132			
Tetrachloroethylene	20.7	0.70	ug/L	20.00		104	80-129			
Toluene	21.1	600	ug/L	20.00		106	76-131			J
trans-1,2-Dichloroethylene	20.4	100	ug/L	20.00		102	76-135			J
ns-1,3-Dichloropropylene	20.7	0.50	ug/L	20.00		104	67-140			
chloroethylene	21.6	3.0	ug/L	20.00		108	77-133			
Trichlorofluoromethane	22.6	0.50	ug/L	20.00		113	62-148			
Vinyl acetate	19.3	2.0	ug/L	20.00		97	34-167			
Vinyl chloride	19.0	0.50	ug/L	20.00		95	57-141			
Xylenes, total	68.8	500	ug/L	60.00		115	77-133			J
Surrogate: 4-Bromofluorobenzene	*49.6*		*ug/L*	*50.00*		*99*	*80-124*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50.00*		*102*	*77-123*			
LCS Dup (P5K0446-BSD1)				Prepared & Analyzed: 11/20/15						
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/L	20.00		104	79-134	1	20	
1,1,1-Trichloroethane	20.2	200	ug/L	20.00		101	75-136	3	20	J
1,1,2,2-Tetrachloroethane	20.1	0.50	ug/L	20.00		100	62-127	3	20	
1,1,2-Trichloroethane	20.3	5.0	ug/L	20.00		101	70-140	0.4	20	
1,1-Dichloroethane	20.2	6.0	ug/L	20.00		101	78-130	2	20	
1,1-Dichloroethylene	20.3	7.0	ug/L	20.00		101	70-154	3	20	
1,1-Dichloropropylene	20.0	0.50	ug/L	20.00		100	71-136	3	20	
1,2,3-Trichlorobenzene	19.8	2.0	ug/L	20.00		99	58-144	0.8	20	
1,2,3-Trichloropropane	20.0	1.0	ug/L	20.00		100	71-127	3	20	
1,2,4-Trichlorobenzene	20.1	1.0	ug/L	20.00		100	66-139	0.6	20	
1,2,4-Trimethylbenzene	21.0	0.50	ug/L	20.00		105	75-133	0.9	20	
1,2-Dibromo-3-chloropropane	21.1	2.0	ug/L	20.00		105	63-134	3	20	
1,2-Dibromoethane	20.8	0.50	ug/L	20.00		104	77-135	0.9	20	
1,2-Dichlorobenzene	20.5	0.50	ug/L	20.00		102	78-128	1	20	
1,2-Dichloroethane	19.6	0.50	ug/L	20.00		98	68-131	0.4	20	
1,2-Dichloropropane	20.0	0.50	ug/L	20.00		100	77-130	2	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/L	20.00		107	75-131	0.7	20	
1,3-Dichlorobenzene	19.8	0.50	ug/L	20.00		99	77-125	0.4	20	
Dichloropropane	21.3	0.50	ug/L	20.00		106	76-132	0.7	20	
Dichlorobenzene	19.6	0.50	ug/L	20.00		98	75-126	0.4	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0446 - 5030B										
LCS Dup (P5K0446-BSD1)				Prepared & Analyzed: 11/20/15						
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130	0	20	
2,2-Dichloropropane	21.4	2.0	ug/L	20.00		107	29-149	3	20	
2-Chloroethyl Vinyl Ether	21.3	5.0	ug/L	20.00		106	34-144	2	20	
2-Chlorotoluene	20.6	100	ug/L	20.00		103	74-126	1	20	J
4-Chlorotoluene	20.6	5.0	ug/L	20.00		103	78-129	0.8	20	
4-Isopropyltoluene	22.5	0.50	ug/L	20.00		112	69-132	1	20	
Acetone	43.9	6000	ug/L	40.00		110	40-166	3	20	J
Acrolein	40.3	20	ug/L	40.00		101	70-130	5	20	
Acrylonitrile	43.2	20	ug/L	40.00		108	81-127	4	20	
Benzene	20.5	1.0	ug/L	20.00		102	77-128	3	20	
Bromobenzene	20.2	0.50	ug/L	20.00		101	78-129	0.4	20	
Bromochloromethane	21.1	0.50	ug/L	20.00		106	78-135	0.7	20	
Bromodichloromethane	20.3	0.50	ug/L	20.00		102	76-138	2	20	
Bromoform	19.2	1.0	ug/L	20.00		96	71-135	3	20	
Bromomethane	17.5	1.0	ug/L	20.00		88	41-168	2	20	
Carbon disulfide	21.3	700	ug/L	20.00		106	59-135	3	20	J
Carbon Tetrachloride	19.5	0.50	ug/L	20.00		98	72-142	2	20	
Chlorobenzene	21.3	0.50	ug/L	20.00		106	78-119	0.9	20	
Chloroethane	19.0	3000	ug/L	20.00		95	57-142	4	20	J
cis-1,2-Dichloroethylene	20.0	70	ug/L	20.00		100	76-141	3	20	J
cis-1,3-Dichloropropylene	20.4	0.50	ug/L	20.00		102	65-140	0.9	20	
Dibromochloromethane	20.5	0.50	ug/L	20.00		102	75-134	0.2	20	
Dibromomethane	19.8	0.50	ug/L	20.00		99	76-138	0.5	20	
Dichlorodifluoromethane	15.3	1.0	ug/L	20.00		76	28-163	4	20	
Ethylbenzene	22.0	600	ug/L	20.00		110	80-127	2	20	J
Hexachlorobutadiene	20.6	2.0	ug/L	20.00		103	61-134	3	20	
Isopropyl Ether	20.6	0.50	ug/L	20.00		103	60-154	1	20	
Isopropylbenzene (Cumene)	21.6	0.50	ug/L	20.00		108	70-130	0.8	20	
Methyl Butyl Ketone (2-Hexanone)	22.4	5.0	ug/L	20.00		112	64-137	4	20	
Methyl Ethyl Ketone (2-Butanone)	20.0	4000	ug/L	20.00		100	71-134	2	20	J
Methyl Isobutyl Ketone	21.7	5.0	ug/L	20.00		109	69-134	5	20	
Methylene Chloride	18.2	5.0	ug/L	20.00		91	73-131	2	20	
Methyl-tert-Butyl Ether	21.3	0.50	ug/L	20.00		106	68-135	2	20	
Naphthalene	20.9	1.0	ug/L	20.00		105	64-136	2	20	
n-Butylbenzene	21.6	1.0	ug/L	20.00		108	68-134	2	20	
n-Propylbenzene	21.0	0.50	ug/L	20.00		105	72-132	1	20	
sec-Butylbenzene	21.1	0.50	ug/L	20.00		106	71-131	1	20	
Styrene	21.8	0.50	ug/L	20.00		109	78-129	0.9	20	
tert-Butylbenzene	21.0	0.50	ug/L	20.00		105	70-132	0.4	20	
Tetrachloroethylene	20.0	0.70	ug/L	20.00		100	80-129	4	20	
Toluene	20.8	600	ug/L	20.00		104	76-131	1	20	J
trans-1,2-Dichloroethylene	19.9	100	ug/L	20.00		100	76-135	2	20	J
trans-1,3-Dichloropropylene	20.7	0.50	ug/L	20.00		104	67-140	0.1	20	
Trichloroethylene	21.0	3.0	ug/L	20.00		105	77-133	3	20	
Trichlorofluoromethane	22.3	0.50	ug/L	20.00		111	62-148	1	20	
Vinyl acetate	19.2	2.0	ug/L	20.00		96	34-167	0.6	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0446 - 5030B										
LCS Dup (P5K0446-BSD1)				Prepared & Analyzed: 11/20/15						
Vinyl chloride	18.4	0.50	ug/L	20.00		92	57-141	3	20	
Xylenes, total	67.6	500	ug/L	60.00		113	77-133	2	20	J
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50.00*		*101*	*80-124*			
Surrogate: Dibromofluoromethane	*51.5*		*ug/L*	*50.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50.00*		*103*	*77-123*			

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Volatile Organic Compounds by GC/MS SIM - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0458 - 5030B										
Blank (P5K0458-BLK1)				Prepared & Analyzed: 11/23/15						
1,4-Dioxane	BRL	3.0	ug/L							
LCS (P5K0458-BS1)				Prepared & Analyzed: 11/23/15						
1,4-Dioxane	47.8	3.0	ug/L	50.00		96	55-145			
LCS Dup (P5K0458-BSD1)				Prepared & Analyzed: 11/23/15						
1,4-Dioxane	48.4	3.0	ug/L	50.00		97	55-145	1	30	
Matrix Spike (P5K0458-MS1)	Source: 5110320-04			Prepared & Analyzed: 11/23/15						
1,4-Dioxane	64.6	3.0	ug/L	50.00	18.0	93	55-145			
Matrix Spike Dup (P5K0458-MSD1)	Source: 5110320-04			Prepared & Analyzed: 11/23/15						
1,4-Dioxane	65.4	3.0	ug/L	50.00	18.0	95	55-145	1	30	

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CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 3 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Accts Payable
Address: 600 Radiator Rd
Indian Trail, NC 28079

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Ketchoff
Reporting Address: 600 Radiator Rd
Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (No): _____
Email Address: sketchoff@rsctrends.com
EDD Type: PDF ✓ Excel ___ Other _____
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd, Indian Trail, NC 28079

Purchase Order No./Billing Reference 4500030072
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			—
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR-4 Observed: 3.7°C / Corr: 3.4°C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ✓
Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM	RCRA metals				REMARKS	PRISM LAB ID NO.
TB-2B	11/10/15	11:07	W	VOA	2	40-mL	HCl	2							01
				VOA	2	40-mL	None	2							1
				VOA	3	40mL	HCl		3						1
TB-3A	11/10/15	11:55	W	VOA	2	40-mL	HCl	2							02
				VOA	2	40-mL	None	2							1
				P	1	250-mL	HNO_3		6*	1					1
Trip Blank 101615-04			W	VOA	2	40-mL	HCl	2							03

Sampler's Signature Stuart Ketchoff Sampled By (Print Name) Stuart Ketchoff Affiliation Radiator Specialty

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Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)		Received By: (Signature)	Date	Military/Hours
Stuart Ketchoff	11/12/15 5K ~~8:00~~	Dan Mai	11-12-15	1535
Relinquished By: (Signature)	14:10	Received By: (Signature)	Date	
Dan Mai	11-12-15 1645	Received For Prism Laboratories By:	Date 11/12/15	1645

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other _____

COC Group No. 510320

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☒ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

SEE REVERSE FOR TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110320
Time Submitted: 11/12/2015 4:45:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0296 - 3010A										
Blank (P5K0296-BLK1)				Prepared: 11/16/15 Analyzed: 11/19/15						
Arsenic	BRL	0.010	mg/L							
Cadmium	BRL	0.0020	mg/L							
Chromium	BRL	0.010	mg/L							
Lead	BRL	0.015	mg/L							
LCS (P5K0296-BS1)				Prepared: 11/16/15 Analyzed: 11/19/15						
Arsenic	0.258	0.010	mg/L	0.2500		103	80-120			
Cadmium	0.261	0.0020	mg/L	0.2500		104	80-120			
Chromium	0.252	0.010	mg/L	0.2500		101	80-120			
Lead	0.258	0.015	mg/L	0.2500		103	80-120			

Sample Extraction Data

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date/Time
5110320-02	P5K0296	50 mL	50 mL	11/16/15 8:20
5110320-04	P5K0296	50 mL	50 mL	11/16/15 8:20
5110320-06	P5K0296	50 mL	50 mL	11/16/15 8:20
5110320-07	P5K0296	50 mL	50 mL	11/16/15 8:20

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110320-01	P5K0446	10 mL	10 mL	11/20/15 8:12
5110320-02	P5K0446	10 mL	10 mL	11/20/15 8:12
5110320-02	P5K0446	10 mL	10 mL	11/20/15 8:12
5110320-03	P5K0446	10 mL	10 mL	11/20/15 8:12
5110320-04	P5K0363	10 mL	10 mL	11/17/15 9:23
5110320-05	P5K0446	10 mL	10 mL	11/20/15 8:12
5110320-06	P5K0446	10 mL	10 mL	11/20/15 8:12
5110320-07	P5K0363	10 mL	10 mL	11/17/15 9:23
5110320-08	P5K0446	10 mL	10 mL	11/20/15 8:12

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110320-01	P5K0458	10 mL	10 mL	11/23/15 10:34
5110320-04	P5K0458	10 mL	10 mL	11/23/15 10:34
5110320-05	P5K0458	10 mL	10 mL	11/23/15 10:34
5110320-06	P5K0458	10 mL	10 mL	11/23/15 10:34
5110320-07	P5K0458	10 mL	10 mL	11/23/15 10:34

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PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 3 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (~~No~~) UST Project: (Yes) (~~No~~)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Accts Payable
Address: _____

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kelkhoff
Reporting Address: _____

Phone: _____ Fax (Yes) (No): _____
Email Address: skelkhoffe rschands.com
EDD Type: PDF ✓ Excel ___ Other _____
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: _____

Purchase Order No./Billing Reference 4500030072
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ ~~Standard~~ 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR-10 Observed: 1.7 °C / Corr: 2.7 °C

Page 35 of 36

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ✓
Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM	RCRA Metals				REMARKS	PRISM LAB ID NO.
HT-4A	11/11/15	11:05	W	VOA	2	40-mL	HCl	2							04
				VOA	2	40-mL	None	2							
				VOA	3	40-mL	HCl		3						
				P	1	250-mL	HNO_3			1					
HT-2A	11/12/15	9:20	W	VOA	2	40-mL	HCl	2							05
				VOA	2	40-mL	None	2							
				VOA	3	40-mL	HCl		3						
~~Trip Blank~~ Sa															

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Sampler's Signature Stuart Kelkhoff Sampled By (Print Name) Stuart Kelkhoff Affiliation Radiator Specialty

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

			Date	Military/Hours
Relinquished By: (Signature) Stuart Kelkhoff 11/12/15 SK		Received By: (Signature) Dawn Mori	11/12/15	1555
Relinquished By: (Signature)	14:10	Received By: (Signature)	Date	
Relinquished By: (Signature) Dawn Mori 11-12-15 1645		Received For Prism Laboratories By:	11/12/15	1645

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other _____

COC Group No. 511032o

Additional Comments:

PRISM USE ONLY

Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions
449 Springbrook Road · Charlotte, NC 28217
Phone 704/529-6364 · Fax: 704/525-0409

PAGE 3 OF 3 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Acct Payable
Address: _____

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kerkhoff
Reporting Address: _____

Phone: _____ Fax (Yes) (No): _____
Email Address: SKerkhoff@rsbrands.com
EDD Type: PDF ✓ Excel ___ Other _____
Site Location Name: _____
Site Location Physical Address: Radiator Specialty

Purchase Order No./Billing Reference 4500073072
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☑ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR7-60 Observed: 3.7 °C / Corr 2.7 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ✓
Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8260 SIM	RCRA metals	REMARKS	PRISM LAB ID NO.
EM-9	11/12/15	12:55	W	VOA	2	40-mL	HCl	2				06
				VOA	2	40-mL	None	2				
				VOA	3	40-mL	HCl		3			
				P	1	250-mL	HNO_3			1		
EM-8	11/12/15	13:05	W	VOA	2	40-mL	HCl	2				07
				VOA	2	40-mL	None	2				
				VOA	3	40-mL	HCl		3			
				P	1	250-mL	HNO_3			1		
Trip Blank 101615-019			W	VOA	2	40-mL	HCl	2				08

Sampler's Signature: Stuart Kerkhoff Sampled By (Print Name): Stuart Kerkhoff Affiliation: Radiator Specialty

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Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) Stuart Kerkhoff 11/12/15 14:10	Received By: (Signature)	11-12-15	1555
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) 11-12-15 1645	Received For Prism Laboratories By:	Date 11/12/15	1645

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☑ Prism Field Service ☐ Other _____

COC Group No. S110320

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☑ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____		☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap V = Volatile Organics Analysis (Zero Head Space)

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
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DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

12/14/2015

RECEIVED
DEC 15 2015
By_____

Radiator Specialty Co
Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Lab Submittal Date: 11/19/2015
Prism Work Order: 5110413

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Narrative Notes:

Compound concentrations are reported down to the permit limit. If the permit limit for an individual compound is less than the reporting limit (RL), then the concentrations are reported with a J-Flag down to the Method Detection Limit (MDL).

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

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Data Qualifiers Key Reference:

A	Estimated concentration just above the calibration range of 1000 ug/ml.
CCV	CCV result is above the control limits. Analyte not detected in the sample. No further action taken.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
M	Matrix spike outside of the control limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Sample Receipt Summary

12/14/2015

Prism Work Order: 5110413

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
MW-17A	5110413-01	Water	11/16/15	11/19/15
Field Blank	5110413-02	Water	11/16/15	11/19/15
EM-5	5110413-03	Water	11/16/15	11/19/15
MW-2B	5110413-04	Water	11/18/15	11/19/15
Field Blank 2	5110413-05	Water	11/18/15	11/19/15

Samples were received in good condition at 4.9 degrees C unless otherwise noted.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

12/14/2015

Prism Work Order: 5110413

Prism ID	Client ID	Parameter	Method	Result		Units
5110413-01	MW-17A	1,1,1-Trichloroethane	8260B	12		ug/L
5110413-01	MW-17A	1,1-Dichloroethane	8260B	390		ug/L
5110413-01	MW-17A	1,1-Dichloroethylene	8260B	120		ug/L
5110413-01	MW-17A	1,2-Dichloroethane	8260B	14		ug/L
5110413-01	MW-17A	1,4-Dioxane	8260B	2300	J	ug/L
5110413-01	MW-17A	2-Chlorotoluene	8260B	350		ug/L
5110413-01	MW-17A	Benzene	8260B	37		ug/L
5110413-01	MW-17A	Chloroethane	8260B	430		ug/L
5110413-01	MW-17A	cis-1,2-Dichloroethylene	8260B	150	J	ug/L
5110413-01	MW-17A	Dichlorodifluoromethane	8260B	15		ug/L
5110413-01	MW-17A	sec-Butylbenzene	8260B	0.53		ug/L
5110413-01	MW-17A	Tetrachloroethylene	8260B	10		ug/L
5110413-01	MW-17A	Toluene	8260B	2.6		ug/L
5110413-01	MW-17A	trans-1,2-Dichloroethylene	8260B	41		ug/L
5110413-01	MW-17A	Trichloroethylene	8260B	19		ug/L
5110413-01	MW-17A	Vinyl chloride	8260B	210		ug/L
5110413-01	MW-17A	Xylenes, total	8260B	24		ug/L
5110413-03	EM-5	cis-1,2-Dichloroethylene	8260B	270	J	ug/L
5110413-03	EM-5	Tetrachloroethylene	8260B	55000		ug/L
5110413-03	EM-5	Trichloroethylene	8260B	140	J	ug/L
5110413-04	MW-2B	2,4-Dimethylphenol	8270D	4.6	J	ug/L
5110413-04	MW-2B	2-Methylphenol	8270D	12		ug/L
5110413-04	MW-2B	Arsenic	*6010C	0.32		mg/L
5110413-04	MW-2B	1,1,1-Trichloroethane	8260B	2.6	J	ug/L
5110413-04	MW-2B	1,1-Dichloroethane	8260B	830		ug/L
5110413-04	MW-2B	1,1-Dichloroethylene	8260B	140	J	ug/L
5110413-04	MW-2B	1,2,4-Trimethylbenzene	8260B	8.0		ug/L
5110413-04	MW-2B	1,2-Dichloroethane	8260B	25		ug/L
5110413-04	MW-2B	1,3,5-Trimethylbenzene	8260B	3.0		ug/L
5110413-04	MW-2B	1,4-Dioxane	8260B	1200	A	ug/L
5110413-04	MW-2B	2-Chlorotoluene	8260B	990	J	ug/L
5110413-04	MW-2B	4-Chlorotoluene	8260B	13		ug/L
5110413-04	MW-2B	4-Isopropyltoluene	8260B	0.59		ug/L
5110413-04	MW-2B	Acetone	8260B	24	J	ug/L
5110413-04	MW-2B	Benzene	8260B	280		ug/L
5110413-04	MW-2B	Carbon disulfide	8260B	0.75	J	ug/L
5110413-04	MW-2B	Chloroethane	8260B	1900	J	ug/L
5110413-04	MW-2B	cis-1,2-Dichloroethylene	8260B	140	J	ug/L
5110413-04	MW-2B	Dichlorodifluoromethane	8260B	17		ug/L
5110413-04	MW-2B	Ethylbenzene	8260B	7.2	J	ug/L
5110413-04	MW-2B	Isopropylbenzene (Cumene)	8260B	3.1		ug/L
5110413-04	MW-2B	Methyl Isobutyl Ketone	8260B	61		ug/L
5110413-04	MW-2B	Methylene Chloride	8260B	270		ug/L
5110413-04	MW-2B	Naphthalene	8260B	4.2		ug/L

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Summary of Detections

12/14/2015

Prism Work Order: 5110413

Prism ID	Client ID	Parameter	Method	Result		Units
5110413-04	MW-2B	n-Butylbenzene	8260B	0.64	J	ug/L
5110413-04	MW-2B	n-Propylbenzene	8260B	1.4		ug/L
5110413-04	MW-2B	sec-Butylbenzene	8260B	0.82		ug/L
5110413-04	MW-2B	Tetrachloroethylene	8260B	2.8		ug/L
5110413-04	MW-2B	Toluene	8260B	51	J	ug/L
5110413-04	MW-2B	trans-1,2-Dichloroethylene	8260B	28	J	ug/L
5110413-04	MW-2B	Trichloroethylene	8260B	14		ug/L
5110413-04	MW-2B	Vinyl chloride	8260B	74		ug/L
5110413-04	MW-2B	Xylenes, total	8260B	54	J	ug/L

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-17A
Prism Sample ID: 5110413-01
Prism Work Order: 5110413
Time Collected: 11/16/15 14:10
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 20:06	KDM	P5K0513
1,1,1-Trichloroethane	**12**	**ug/L**	**0.50**	**0.061**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/24/15 20:06	KDM	P5K0513
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/24/15 20:06	KDM	P5K0513
1,1-Dichloroethane	**390**	**ug/L**	**10**	**1.7**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**
1,1-Dichloroethylene	**120**	**ug/L**	**10**	**1.7**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 20:06	KDM	P5K0513
1,2-Dichloroethane	**14**	**ug/L**	**0.50**	**0.066**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 20:06	KDM	P5K0513
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 20:06	KDM	P5K0513
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 20:06	KDM	P5K0513
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/24/15 20:06	KDM	P5K0513
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 20:06	KDM	P5K0513
1,4-Dioxane	**2300 J**	**ug/L**	**3000**	**290**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/24/15 20:06	KDM	P5K0513
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/24/15 20:06	KDM	P5K0513
2-Chlorotoluene	**350**	**ug/L**	**10**	**1.3**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/24/15 20:06	KDM	P5K0513
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/24/15 20:06	KDM	P5K0513
Acetone	BRL	ug/L	5.0	0.31	1	8260B	11/24/15 20:06	KDM	P5K0513
Acrolein	BRL CCV	ug/L	20	0.20	1	8260B	11/24/15 20:06	KDM	P5K0513
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/24/15 20:06	KDM	P5K0513
Benzene	**37**	**ug/L**	**0.50**	**0.048**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/24/15 20:06	KDM	P5K0513
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/24/15 20:06	KDM	P5K0513
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 20:06	KDM	P5K0513
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/24/15 20:06	KDM	P5K0513
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/24/15 20:06	KDM	P5K0513
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	11/24/15 20:06	KDM	P5K0513
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 20:06	KDM	P5K0513
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 20:06	KDM	P5K0513
Chloroethane	**430**	**ug/L**	**10**	**4.3**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 20:06	KDM	P5K0513
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 20:06	KDM	P5K0513
cis-1,2-Dichloroethylene	**150 J**	**ug/L**	**1400**	**1.1**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-17A
Prism Sample ID: 5110413-01
Prism Work Order: 5110413
Time Collected: 11/16/15 14:10
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 20:06	KDM	P5K0513
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/24/15 20:06	KDM	P5K0513
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/24/15 20:06	KDM	P5K0513
Dichlorodifluoromethane	**15**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	11/24/15 20:06	KDM	P5K0513
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/24/15 20:06	KDM	P5K0513
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 20:06	KDM	P5K0513
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 20:06	KDM	P5K0513
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/24/15 20:06	KDM	P5K0513
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	11/24/15 20:06	KDM	P5K0513
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/24/15 20:06	KDM	P5K0513
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/24/15 20:06	KDM	P5K0513
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/24/15 20:06	KDM	P5K0513
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/24/15 20:06	KDM	P5K0513
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/24/15 20:06	KDM	P5K0513
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/24/15 20:06	KDM	P5K0513
sec-Butylbenzene	**0.53**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
rene	BRL	ug/L	0.50	0.047	1	8260B	11/24/15 20:06	KDM	P5K0513
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/24/15 20:06	KDM	P5K0513
Tetrachloroethylene	**10**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
Toluene	**2.6**	**ug/L**	**0.50**	**0.044**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
trans-1,2-Dichloroethylene	**41**	**ug/L**	**0.50**	**0.094**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/24/15 20:06	KDM	P5K0513
Trichloroethylene	**19**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 20:06	KDM	P5K0513
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/24/15 20:06	KDM	P5K0513
Vinyl chloride	**210**	**ug/L**	**10**	**1.9**	**20**	**8260B**	**11/24/15 20:32**	**KDM**	**P5K0513**
Xylenes, total	**24**	**ug/L**	**0.15**	**0.15**	**1**	**8260B**	**11/24/15 20:06**	**KDM**	**P5K0513**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*93 %*	*80-124*
Dibromofluoromethane	*102 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Field Blank
Prism Sample ID: 5110413-02
Prism Work Order: 5110413
Time Collected: 11/16/15 14:30
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 15:17	KDM	P5K0513
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/24/15 15:17	KDM	P5K0513
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/24/15 15:17	KDM	P5K0513
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/24/15 15:17	KDM	P5K0513
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/24/15 15:17	KDM	P5K0513
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/24/15 15:17	KDM	P5K0513
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/24/15 15:17	KDM	P5K0513
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 15:17	KDM	P5K0513
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:17	KDM	P5K0513
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 15:17	KDM	P5K0513
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/24/15 15:17	KDM	P5K0513
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 15:17	KDM	P5K0513
1,4-Dioxane	BRL	ug/L	150	14	1	8260B	11/24/15 15:17	KDM	P5K0513
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/24/15 15:17	KDM	P5K0513
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/24/15 15:17	KDM	P5K0513
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/24/15 15:17	KDM	P5K0513
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/24/15 15:17	KDM	P5K0513
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/24/15 15:17	KDM	P5K0513
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/24/15 15:17	KDM	P5K0513
Acrolein	BRL CCV	ug/L	20	0.20	1	8260B	11/24/15 15:17	KDM	P5K0513
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/24/15 15:17	KDM	P5K0513
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/24/15 15:17	KDM	P5K0513
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/24/15 15:17	KDM	P5K0513
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/24/15 15:17	KDM	P5K0513
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 15:17	KDM	P5K0513
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/24/15 15:17	KDM	P5K0513
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/24/15 15:17	KDM	P5K0513
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/24/15 15:17	KDM	P5K0513
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 15:17	KDM	P5K0513
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 15:17	KDM	P5K0513
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/24/15 15:17	KDM	P5K0513
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:17	KDM	P5K0513
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 15:17	KDM	P5K0513
cis-1,2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/24/15 15:17	KDM	P5K0513

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Field Blank
Prism Sample ID: 5110413-02
Prism Work Order: 5110413
Time Collected: 11/16/15 14:30
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 15:17	KDM	P5K0513
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/24/15 15:17	KDM	P5K0513
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/24/15 15:17	KDM	P5K0513
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/24/15 15:17	KDM	P5K0513
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/24/15 15:17	KDM	P5K0513
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/24/15 15:17	KDM	P5K0513
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 15:17	KDM	P5K0513
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 15:17	KDM	P5K0513
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/24/15 15:17	KDM	P5K0513
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/24/15 15:17	KDM	P5K0513
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/24/15 15:17	KDM	P5K0513
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/24/15 15:17	KDM	P5K0513
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/24/15 15:17	KDM	P5K0513
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/24/15 15:17	KDM	P5K0513
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/24/15 15:17	KDM	P5K0513
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/24/15 15:17	KDM	P5K0513
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:17	KDM	P5K0513
·ene	BRL	ug/L	0.50	0.047	1	8260B	11/24/15 15:17	KDM	P5K0513
·t-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/24/15 15:17	KDM	P5K0513
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/24/15 15:17	KDM	P5K0513
Toluene	BRL	ug/L	600	0.044	1	8260B	11/24/15 15:17	KDM	P5K0513
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/24/15 15:17	KDM	P5K0513
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/24/15 15:17	KDM	P5K0513
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/24/15 15:17	KDM	P5K0513
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 15:17	KDM	P5K0513
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/24/15 15:17	KDM	P5K0513
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/24/15 15:17	KDM	P5K0513
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/24/15 15:17	KDM	P5K0513

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*101 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-5
Prism Sample ID: 5110413-03
Prism Work Order: 5110413
Time Collected: 11/16/15 14:40
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Arsenic	BRL	mg/L	0.010	0.00070	1	*6010C	12/2/15 15:04	BGM	P5L0005
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	12/2/15 15:04	BGM	P5L0005
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	12/2/15 15:04	BGM	P5L0005
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	12/2/15 15:04	BGM	P5L0005
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	50	11	100	8260B	11/24/15 20:58	KDM	P5K0513
1,1,1-Trichloroethane	BRL	ug/L	20000	6.1	100	8260B	11/24/15 20:58	KDM	P5K0513
1,1,2,2-Tetrachloroethane	BRL	ug/L	50	3.6	100	8260B	11/24/15 20:58	KDM	P5K0513
1,1,2-Trichloroethane	BRL	ug/L	500	6.6	100	8260B	11/24/15 20:58	KDM	P5K0513
1,1-Dichloroethane	BRL	ug/L	600	8.3	100	8260B	11/24/15 20:58	KDM	P5K0513
1,1-Dichloroethylene	BRL	ug/L	700	8.3	100	8260B	11/24/15 20:58	KDM	P5K0513
1,1-Dichloropropylene	BRL	ug/L	50	5.1	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2,3-Trichlorobenzene	BRL	ug/L	200	40	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2,3-Trichloropropane	BRL	ug/L	100	14	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2,4-Trichlorobenzene	BRL	ug/L	100	13	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2,4-Trimethylbenzene	BRL	ug/L	50	5.4	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2-Dibromo-3-chloropropane	BRL	ug/L	200	17	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2-Dibromoethane	BRL	ug/L	50	5.1	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2-Dichlorobenzene	BRL	ug/L	50	7.6	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2-Dichloroethane	BRL	ug/L	50	6.6	100	8260B	11/24/15 20:58	KDM	P5K0513
1,2-Dichloropropane	BRL	ug/L	50	11	100	8260B	11/24/15 20:58	KDM	P5K0513
1,3,5-Trimethylbenzene	BRL	ug/L	50	7.6	100	8260B	11/24/15 20:58	KDM	P5K0513
1,3-Dichlorobenzene	BRL	ug/L	50	5.4	100	8260B	11/24/15 20:58	KDM	P5K0513
1,3-Dichloropropane	BRL	ug/L	50	4.3	100	8260B	11/24/15 20:58	KDM	P5K0513
1,4-Dichlorobenzene	BRL	ug/L	50	5.0	100	8260B	11/24/15 20:58	KDM	P5K0513
1,4-Dioxane	BRL	ug/L	15000	1400	100	8260B	11/24/15 20:58	KDM	P5K0513
2,2-Dichloropropane	BRL	ug/L	200	11	100	8260B	11/24/15 20:58	KDM	P5K0513
2-Chloroethyl Vinyl Ether	BRL	ug/L	500	37	100	8260B	11/24/15 20:58	KDM	P5K0513
2-Chlorotoluene	BRL	ug/L	10000	6.6	100	8260B	11/24/15 20:58	KDM	P5K0513
4-Chlorotoluene	BRL	ug/L	500	5.0	100	8260B	11/24/15 20:58	KDM	P5K0513
4-Isopropyltoluene	BRL	ug/L	50	8.9	100	8260B	11/24/15 20:58	KDM	P5K0513
Acetone	BRL	ug/L	600000	31	100	8260B	11/24/15 20:58	KDM	P5K0513
Acrolein	BRL CCV	ug/L	2000	20	100	8260B	11/24/15 20:58	KDM	P5K0513
Acrylonitrile	BRL	ug/L	2000	20	100	8260B	11/24/15 20:58	KDM	P5K0513
Benzene	BRL	ug/L	100	4.8	100	8260B	11/24/15 20:58	KDM	P5K0513
Bromobenzene	BRL	ug/L	50	5.7	100	8260B	11/24/15 20:58	KDM	P5K0513
Bromochloromethane	BRL	ug/L	50	14	100	8260B	11/24/15 20:58	KDM	P5K0513
Bromodichloromethane	BRL	ug/L	50	6.2	100	8260B	11/24/15 20:58	KDM	P5K0513
Bromoform	BRL	ug/L	100	4.0	100	8260B	11/24/15 20:58	KDM	P5K0513
Bromomethane	BRL	ug/L	100	18	100	8260B	11/24/15 20:58	KDM	P5K0513
Carbon disulfide	BRL	ug/L	70000	7.5	100	8260B	11/24/15 20:58	KDM	P5K0513
Carbon Tetrachloride	BRL	ug/L	50	11	100	8260B	11/24/15 20:58	KDM	P5K0513

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: EM-5
Prism Sample ID: 5110413-03
Prism Work Order: 5110413
Time Collected: 11/16/15 14:40
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chlorobenzene	BRL	ug/L	50	6.2	100	8260B	11/24/15 20:58	KDM	P5K0513
Chloroethane	BRL	ug/L	300000	22	100	8260B	11/24/15 20:58	KDM	P5K0513
Chloroform	BRL	ug/L	50	7.6	100	8260B	11/24/15 20:58	KDM	P5K0513
Chloromethane	BRL	ug/L	50	7.9	100	8260B	11/24/15 20:58	KDM	P5K0513
cis-1,2-Dichloroethylene	**270 J**	**ug/L**	**7000**	**5.6**	**100**	**8260B**	**11/24/15 20:58**	**KDM**	**P5K0513**
cis-1,3-Dichloropropylene	BRL	ug/L	50	7.9	100	8260B	11/24/15 20:58	KDM	P5K0513
Dibromochloromethane	BRL	ug/L	50	8.1	100	8260B	11/24/15 20:58	KDM	P5K0513
Dibromomethane	BRL	ug/L	50	6.5	100	8260B	11/24/15 20:58	KDM	P5K0513
Dichlorodifluoromethane	BRL	ug/L	100	11	100	8260B	11/24/15 20:58	KDM	P5K0513
Ethylbenzene	BRL	ug/L	60000	6.1	100	8260B	11/24/15 20:58	KDM	P5K0513
Hexachlorobutadiene	BRL	ug/L	200	16	100	8260B	11/24/15 20:58	KDM	P5K0513
Isopropyl Ether	BRL	ug/L	50	5.0	100	8260B	11/24/15 20:58	KDM	P5K0513
Isopropylbenzene (Cumene)	BRL	ug/L	50	5.4	100	8260B	11/24/15 20:58	KDM	P5K0513
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	500	6.5	100	8260B	11/24/15 20:58	KDM	P5K0513
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	400000	24	100	8260B	11/24/15 20:58	KDM	P5K0513
Methyl Isobutyl Ketone	BRL	ug/L	500	7.8	100	8260B	11/24/15 20:58	KDM	P5K0513
Methylene Chloride	BRL	ug/L	500	8.3	100	8260B	11/24/15 20:58	KDM	P5K0513
'hyl-tert-Butyl Ether	BRL	ug/L	50	4.2	100	8260B	11/24/15 20:58	KDM	P5K0513
..aphthalene	BRL	ug/L	100	19	100	8260B	11/24/15 20:58	KDM	P5K0513
n-Butylbenzene	BRL	ug/L	100	7.6	100	8260B	11/24/15 20:58	KDM	P5K0513
n-Propylbenzene	BRL	ug/L	50	8.7	100	8260B	11/24/15 20:58	KDM	P5K0513
sec-Butylbenzene	BRL	ug/L	50	7.6	100	8260B	11/24/15 20:58	KDM	P5K0513
Styrene	BRL	ug/L	50	4.7	100	8260B	11/24/15 20:58	KDM	P5K0513
tert-Butylbenzene	BRL	ug/L	50	8.8	100	8260B	11/24/15 20:58	KDM	P5K0513
Tetrachloroethylene	**55000**	**ug/L**	**700**	**98**	**1000**	**8260B**	**11/25/15 17:06**	**KDM**	**P5K0513**
Toluene	BRL	ug/L	60000	4.4	100	8260B	11/24/15 20:58	KDM	P5K0513
trans-1,2-Dichloroethylene	BRL	ug/L	10000	9.4	100	8260B	11/24/15 20:58	KDM	P5K0513
trans-1,3-Dichloropropylene	BRL	ug/L	50	7.0	100	8260B	11/24/15 20:58	KDM	P5K0513
Trichloroethylene	**140 J**	**ug/L**	**300**	**7.8**	**100**	**8260B**	**11/24/15 20:58**	**KDM**	**P5K0513**
Trichlorofluoromethane	BRL	ug/L	50	6.2	100	8260B	11/24/15 20:58	KDM	P5K0513
Vinyl acetate	BRL	ug/L	200	6.0	100	8260B	11/24/15 20:58	KDM	P5K0513
Vinyl chloride	BRL	ug/L	50	9.7	100	8260B	11/24/15 20:58	KDM	P5K0513
Xylenes, total	BRL	ug/L	50000	15	100	8260B	11/24/15 20:58	KDM	P5K0513

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*98 %*	*77-123*

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-2B
Prism Sample ID: 5110413-04
Prism Work Order: 5110413
Time Collected: 11/18/15 10:15
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	BRL	mg/L	250	0.078	1	*9056A	12/1/15 14:59	CDE	P5L0022
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	11/24/15 16:52	JMV	P5K0469
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	11/24/15 16:52	JMV	P5K0469
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
2,4-Dimethylphenol	4.6 J	**ug/L**	**100**	**2.3**	**1**	**8270D**	**11/24/15 16:52**	**JMV**	**P5K0469**
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	11/24/15 16:52	JMV	P5K0469
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	11/24/15 16:52	JMV	P5K0469
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	11/24/15 16:52	JMV	P5K0469
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
2-Methylnaphthalene	BRL	ug/L	30	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
2-Methylphenol	12	**ug/L**	**10**	**2.1**	**1**	**8270D**	**11/24/15 16:52**	**JMV**	**P5K0469**
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
3/4-Methylphenol	BRL	ug/L	40	1.9	1	8270D	11/24/15 16:52	JMV	P5K0469
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	11/24/15 16:52	JMV	P5K0469
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469
4-Chloro-3-methylphenol	BRL	ug/L	50	1.9	1	8270D	11/24/15 16:52	JMV	P5K0469
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	11/24/15 16:52	JMV	P5K0469
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
Acenaphthylene	BRL	ug/L	200	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
Aniline	BRL	ug/L	10	2.1	1	8270D	11/24/15 16:52	JMV	P5K0469
Anthracene	BRL	ug/L	10	3.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Azobenzene	BRL	ug/L	10	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzoic Acid	BRL	ug/L	30000	2.7	1	8270D	11/24/15 16:52	JMV	P5K0469
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469

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'adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-2B
Prism Sample ID: 5110413-04
Prism Work Order: 5110413
Time Collected: 11/18/15 10:15
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Chrysene	BRL	ug/L	10	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	11/24/15 16:52	JMV	P5K0469
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	11/24/15 16:52	JMV	P5K0469
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	11/24/15 16:52	JMV	P5K0469
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	11/24/15 16:52	JMV	P5K0469
Fluoranthene	BRL	ug/L	300	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
Fluorene	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	11/24/15 16:52	JMV	P5K0469
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	11/24/15 16:52	JMV	P5K0469
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469
xachloroethane	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
deno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	11/24/15 16:52	JMV	P5K0469
Isophorone	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
Naphthalene	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	11/24/15 16:52	JMV	P5K0469
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	11/24/15 16:52	JMV	P5K0469
Phenanthrene	BRL	ug/L	200	1.8	1	8270D	11/24/15 16:52	JMV	P5K0469
Phenol	BRL	ug/L	30	1.2	1	8270D	11/24/15 16:52	JMV	P5K0469
Pyrene	BRL	ug/L	200	2.2	1	8270D	11/24/15 16:52	JMV	P5K0469

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*61 %*	*43-140*
2-Fluorobiphenyl	*58 %*	*44-119*
2-Fluorophenol	*32 %*	*19-119*
Nitrobenzene-d5	*55 %*	*44-120*
Phenol-d5	*22 %*	*11-52*
Terphenyl-d14	*60 %*	*50-134*

Total Metals

Arsenic	**0.32**	**mg/L**	**0.010**	**0.00070**	**1**	***6010C**	**12/2/15 15:28**	**BGM**	**P5L0005**
Cadmium	BRL	mg/L	0.0020	0.00010	1	*6010C	12/2/15 15:28	BGM	P5L0005
Chromium	BRL	mg/L	0.010	0.00060	1	*6010C	12/2/15 15:28	BGM	P5L0005
Lead	BRL	mg/L	0.015	0.0013	1	*6010C	12/2/15 15:28	BGM	P5L0005

Volatile Organic Compounds by GC/MS

1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 17:55	KDM	P5K0513
l-Trichloroethane	**2.6 J**	**ug/L**	**200**	**0.061**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-2B
Prism Sample ID: 5110413-04
Prism Work Order: 5110413
Time Collected: 11/18/15 10:15
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/24/15 17:55	KDM	P5K0513
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/24/15 17:55	KDM	P5K0513
1,1-Dichloroethane	**830**	**ug/L**	**300**	**4.2**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
1,1-Dichloroethylene	**140 J**	**ug/L**	**350**	**4.1**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2,4-Trimethylbenzene	**8.0**	**ug/L**	**0.50**	**0.054**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 17:55	KDM	P5K0513
1,2-Dichloroethane	**25**	**ug/L**	**0.50**	**0.066**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 17:55	KDM	P5K0513
1,3,5-Trimethylbenzene	**3.0**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 17:55	KDM	P5K0513
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/24/15 17:55	KDM	P5K0513
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 17:55	KDM	P5K0513
1,4-Dioxane	**1200 A**	**ug/L**	**150**	**14**	**1**	**8260B**	**11/24/15 17:55**	**CGP**	**P5K0513**
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/24/15 17:55	KDM	P5K0513
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/24/15 17:55	KDM	P5K0513
2-Chlorotoluene	**990 J**	**ug/L**	**5000**	**3.3**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
4-Chlorotoluene	**13**	**ug/L**	**5.0**	**0.050**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
4-Isopropyltoluene	**0.59**	**ug/L**	**0.50**	**0.089**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Acetone	**24 J**	**ug/L**	**6000**	**0.31**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Acrolein	BRL CCV	ug/L	20	0.20	1	8260B	11/24/15 17:55	KDM	P5K0513
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/24/15 17:55	KDM	P5K0513
Benzene	**280**	**ug/L**	**50**	**2.4**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/24/15 17:55	KDM	P5K0513
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/24/15 17:55	KDM	P5K0513
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 17:55	KDM	P5K0513
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/24/15 17:55	KDM	P5K0513
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/24/15 17:55	KDM	P5K0513
Carbon disulfide	**0.75 J**	**ug/L**	**700**	**0.075**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 17:55	KDM	P5K0513
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 17:55	KDM	P5K0513
Chloroethane	**1900 J**	**ug/L**	**150000**	**11**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 17:55	KDM	P5K0513
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 17:55	KDM	P5K0513
cis-1,2-Dichloroethylene	**140 J**	**ug/L**	**3500**	**2.8**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 17:55	KDM	P5K0513
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/24/15 17:55	KDM	P5K0513
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/24/15 17:55	KDM	P5K0513

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: MW-2B
Prism Sample ID: 5110413-04
Prism Work Order: 5110413
Time Collected: 11/18/15 10:15
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dichlorodifluoromethane	**17**	**ug/L**	**1.0**	**0.11**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Ethylbenzene	**7.2 J**	**ug/L**	**600**	**0.061**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/24/15 17:55	KDM	P5K0513
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 17:55	KDM	P5K0513
Isopropylbenzene (Cumene)	**3.1**	**ug/L**	**0.50**	**0.054**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/24/15 17:55	KDM	P5K0513
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/24/15 17:55	KDM	P5K0513
Methyl Isobutyl Ketone	**61**	**ug/L**	**5.0**	**0.078**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Methylene Chloride	**270**	**ug/L**	**250**	**4.1**	**50**	**8260B**	**11/25/15 16:40**	**KDM**	**P5K0513**
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/24/15 17:55	KDM	P5K0513
Naphthalene	**4.2**	**ug/L**	**1.0**	**0.19**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
n-Butylbenzene	**0.64 J**	**ug/L**	**1.0**	**0.076**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
n-Propylbenzene	**1.4**	**ug/L**	**0.50**	**0.087**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
sec-Butylbenzene	**0.82**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/24/15 17:55	KDM	P5K0513
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/24/15 17:55	KDM	P5K0513
Tetrachloroethylene	**2.8**	**ug/L**	**0.70**	**0.098**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
uene	**51 J**	**ug/L**	**600**	**0.044**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
trans-1,2-Dichloroethylene	**28 J**	**ug/L**	**100**	**0.094**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/24/15 17:55	KDM	P5K0513
Trichloroethylene	**14**	**ug/L**	**3.0**	**0.078**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 17:55	KDM	P5K0513
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/24/15 17:55	KDM	P5K0513
Vinyl chloride	**74**	**ug/L**	**0.50**	**0.097**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**
Xylenes, total	**54 J**	**ug/L**	**500**	**0.15**	**1**	**8260B**	**11/24/15 17:55**	**KDM**	**P5K0513**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*98 %*	*80-124*
Dibromofluoromethane	*98 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Field Blank 2
Prism Sample ID: 5110413-05
Prism Work Order: 5110413
Time Collected: 11/18/15 10:33
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 15:44	KDM	P5K0513
1,1,1-Trichloroethane	BRL	ug/L	200	0.061	1	8260B	11/24/15 15:44	KDM	P5K0513
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	11/24/15 15:44	KDM	P5K0513
1,1,2-Trichloroethane	BRL	ug/L	5.0	0.066	1	8260B	11/24/15 15:44	KDM	P5K0513
1,1-Dichloroethane	BRL	ug/L	6.0	0.083	1	8260B	11/24/15 15:44	KDM	P5K0513
1,1-Dichloroethylene	BRL	ug/L	7.0	0.083	1	8260B	11/24/15 15:44	KDM	P5K0513
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	11/24/15 15:44	KDM	P5K0513
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 15:44	KDM	P5K0513
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:44	KDM	P5K0513
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 15:44	KDM	P5K0513
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	11/24/15 15:44	KDM	P5K0513
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 15:44	KDM	P5K0513
1,4-Dioxane	BRL	ug/L	150	14	1	8260B	11/24/15 15:44	KDM	P5K0513
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	11/24/15 15:44	KDM	P5K0513
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	11/24/15 15:44	KDM	P5K0513
2-Chlorotoluene	BRL	ug/L	100	0.066	1	8260B	11/24/15 15:44	KDM	P5K0513
4-Chlorotoluene	BRL	ug/L	5.0	0.050	1	8260B	11/24/15 15:44	KDM	P5K0513
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	11/24/15 15:44	KDM	P5K0513
Acetone	BRL	ug/L	6000	0.31	1	8260B	11/24/15 15:44	KDM	P5K0513
Acrolein	BRL CCV	ug/L	20	0.20	1	8260B	11/24/15 15:44	KDM	P5K0513
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	11/24/15 15:44	KDM	P5K0513
Benzene	BRL	ug/L	1.0	0.048	1	8260B	11/24/15 15:44	KDM	P5K0513
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	11/24/15 15:44	KDM	P5K0513
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	11/24/15 15:44	KDM	P5K0513
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 15:44	KDM	P5K0513
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	11/24/15 15:44	KDM	P5K0513
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	11/24/15 15:44	KDM	P5K0513
Carbon disulfide	BRL	ug/L	700	0.075	1	8260B	11/24/15 15:44	KDM	P5K0513
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	11/24/15 15:44	KDM	P5K0513
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 15:44	KDM	P5K0513
Chloroethane	BRL	ug/L	3000	0.22	1	8260B	11/24/15 15:44	KDM	P5K0513
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:44	KDM	P5K0513
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 15:44	KDM	P5K0513
cis-1,2-Dichloroethylene	BRL	ug/L	70	0.056	1	8260B	11/24/15 15:44	KDM	P5K0513

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Sample Matrix: Water

Client Sample ID: Field Blank 2
Prism Sample ID: 5110413-05
Prism Work Order: 5110413
Time Collected: 11/18/15 10:33
Time Submitted: 11/19/15 15:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	11/24/15 15:44	KDM	P5K0513
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	11/24/15 15:44	KDM	P5K0513
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	11/24/15 15:44	KDM	P5K0513
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	11/24/15 15:44	KDM	P5K0513
Ethylbenzene	BRL	ug/L	600	0.061	1	8260B	11/24/15 15:44	KDM	P5K0513
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	11/24/15 15:44	KDM	P5K0513
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	11/24/15 15:44	KDM	P5K0513
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	11/24/15 15:44	KDM	P5K0513
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	11/24/15 15:44	KDM	P5K0513
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	4000	0.24	1	8260B	11/24/15 15:44	KDM	P5K0513
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	11/24/15 15:44	KDM	P5K0513
Methylene Chloride	BRL	ug/L	5.0	0.083	1	8260B	11/24/15 15:44	KDM	P5K0513
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	11/24/15 15:44	KDM	P5K0513
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	11/24/15 15:44	KDM	P5K0513
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	11/24/15 15:44	KDM	P5K0513
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	11/24/15 15:44	KDM	P5K0513
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	11/24/15 15:44	KDM	P5K0513
Styrene	BRL	ug/L	0.50	0.047	1	8260B	11/24/15 15:44	KDM	P5K0513
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	11/24/15 15:44	KDM	P5K0513
Tetrachloroethylene	BRL	ug/L	0.70	0.098	1	8260B	11/24/15 15:44	KDM	P5K0513
Toluene	BRL	ug/L	600	0.044	1	8260B	11/24/15 15:44	KDM	P5K0513
trans-1,2-Dichloroethylene	BRL	ug/L	100	0.094	1	8260B	11/24/15 15:44	KDM	P5K0513
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	11/24/15 15:44	KDM	P5K0513
Trichloroethylene	BRL	ug/L	3.0	0.078	1	8260B	11/24/15 15:44	KDM	P5K0513
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	11/24/15 15:44	KDM	P5K0513
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	11/24/15 15:44	KDM	P5K0513
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	11/24/15 15:44	KDM	P5K0513
Xylenes, total	BRL	ug/L	500	0.15	1	8260B	11/24/15 15:44	KDM	P5K0513

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*103 %*	*75-129*
Toluene-d8	*101 %*	*77-123*

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0513 - 5030B										
Blank (P5K0513-BLK1)				Prepared & Analyzed: 11/24/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	200	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	5.0	ug/L							
1,1-Dichloroethane	BRL	6.0	ug/L							
1,1-Dichloroethylene	BRL	7.0	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
1,4-Dioxane	BRL	150	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	100	ug/L							
4-Chlorotoluene	BRL	5.0	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	6000	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	700	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	3000	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	70	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							

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Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0513 - 5030B										
Blank (P5K0513-BLK1)				Prepared & Analyzed: 11/24/15						
Ethylbenzene	BRL	600	ug/L							
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	4000	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	5.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.70	ug/L							
'.jene	BRL	600	ug/L							
.is-1,2-Dichloroethylene	BRL	100	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	3.0	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Xylenes, total	BRL	500	ug/L							
Heptane	0.00		ug/L							
Surrogate: 4-Bromofluorobenzene	*51.3*		*ug/L*	*50.00*		*103*	*80-124*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50.00*		*102*	*75-129*			
Surrogate: Toluene-d8	*44.3*		*ug/L*	*50.00*		*89*	*77-123*			

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Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0513 - 5030B										
LCS (P5K0513-BS1)				Prepared & Analyzed: 11/24/15						
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/L	20.00		110	79-134			
1,1,1-Trichloroethane	24.0	0.50	ug/L	20.00		120	75-136			
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/L	20.00		113	62-127			
1,1,2-Trichloroethane	22.5	0.50	ug/L	20.00		113	70-140			
1,1-Dichloroethane	22.3	0.50	ug/L	20.00		111	78-130			
1,1-Dichloroethylene	22.6	0.50	ug/L	20.00		113	70-154			
1,1-Dichloropropylene	22.9	0.50	ug/L	20.00		114	71-136			
1,2,3-Trichlorobenzene	25.3	2.0	ug/L	20.00		126	58-144			
1,2,3-Trichloropropane	23.2	1.0	ug/L	20.00		116	71-127			
1,2,4-Trichlorobenzene	24.6	1.0	ug/L	20.00		123	66-139			
1,2,4-Trimethylbenzene	22.5	0.50	ug/L	20.00		112	75-133			
1,2-Dibromo-3-chloropropane	22.9	2.0	ug/L	20.00		114	63-134			
1,2-Dibromoethane	22.6	0.50	ug/L	20.00		113	77-135			
1,2-Dichlorobenzene	22.2	0.50	ug/L	20.00		111	78-128			
1,2-Dichloroethane	23.0	0.50	ug/L	20.00		115	68-131			
1,2-Dichloropropane	22.2	0.50	ug/L	20.00		111	77-130			
1,3,5-Trimethylbenzene	22.4	0.50	ug/L	20.00		112	75-131			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20.00		107	77-125			
1,3-Dichloropropane	22.7	0.50	ug/L	20.00		114	76-132			
1,4-Dichlorobenzene	21.9	0.50	ug/L	20.00		110	75-126			
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130			
2,2-Dichloropropane	24.8	2.0	ug/L	20.00		124	29-149			
2-Chloroethyl Vinyl Ether	23.0	5.0	ug/L	20.00		115	34-144			
2-Chlorotoluene	22.7	0.50	ug/L	20.00		113	74-126			
4-Chlorotoluene	22.0	0.50	ug/L	20.00		110	78-129			
4-Isopropyltoluene	22.4	0.50	ug/L	20.00		112	69-132			
Acetone	47.7	5.0	ug/L	40.00		119	40-166			
Acrolein	52.9	20	ug/L	40.00		132	70-130			LH
Acrylonitrile	47.0	20	ug/L	40.00		118	81-127			
Benzene	22.7	0.50	ug/L	20.00		114	77-128			
Bromobenzene	22.1	0.50	ug/L	20.00		111	78-129			
Bromochloromethane	22.2	0.50	ug/L	20.00		111	78-135			
Bromodichloromethane	23.8	0.50	ug/L	20.00		119	76-138			
Bromoform	23.8	1.0	ug/L	20.00		119	71-135			
Bromomethane	20.3	1.0	ug/L	20.00		101	41-168			
Carbon disulfide	22.6	5.0	ug/L	20.00		113	59-135			
Carbon Tetrachloride	23.2	0.50	ug/L	20.00		116	72-142			
Chlorobenzene	22.1	0.50	ug/L	20.00		111	78-119			
Chloroethane	16.3	0.50	ug/L	20.00		81	57-142			
cis-1,2-Dichloroethylene	22.4	0.50	ug/L	20.00		112	76-141			
cis-1,3-Dichloropropylene	23.7	0.50	ug/L	20.00		118	65-140			
Dibromochloromethane	23.4	0.50	ug/L	20.00		117	75-134			
Dibromomethane	22.7	0.50	ug/L	20.00		114	76-138			
Dichlorodifluoromethane	15.1	1.0	ug/L	20.00		76	28-163			
Ethylbenzene	22.4	0.50	ug/L	20.00		112	80-127			
Hexachlorobutadiene	25.5	2.0	ug/L	20.00		128	61-134			

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adiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0513 - 5030B										
LCS (P5K0513-BS1)				Prepared & Analyzed: 11/24/15						
Isopropyl Ether	21.4	0.50	ug/L	20.00		107	60-154			
Isopropylbenzene (Cumene)	22.7	0.50	ug/L	20.00		113	70-130			
Methyl Butyl Ketone (2-Hexanone)	20.7	5.0	ug/L	20.00		104	64-137			
Methyl Ethyl Ketone (2-Butanone)	22.1	5.0	ug/L	20.00		111	71-134			
Methyl Isobutyl Ketone	22.0	5.0	ug/L	20.00		110	69-134			
Methylene Chloride	21.8	5.0	ug/L	20.00		109	73-131			
Methyl-tert-Butyl Ether	22.7	0.50	ug/L	20.00		113	68-135			
Naphthalene	25.4	1.0	ug/L	20.00		127	64-136			
n-Butylbenzene	22.4	1.0	ug/L	20.00		112	68-134			
n-Propylbenzene	23.1	0.50	ug/L	20.00		116	72-132			
sec-Butylbenzene	23.1	0.50	ug/L	20.00		116	71-131			
Styrene	22.4	0.50	ug/L	20.00		112	78-129			
tert-Butylbenzene	23.0	0.50	ug/L	20.00		115	70-132			
Tetrachloroethylene	22.0	0.50	ug/L	20.00		110	80-129			
Toluene	22.6	0.50	ug/L	20.00		113	76-131			
trans-1,2-Dichloroethylene	23.2	0.50	ug/L	20.00		116	76-135			
ns-1,3-Dichloropropylene	24.6	0.50	ug/L	20.00		123	67-140			
chloroethylene	22.8	0.50	ug/L	20.00		114	77-133			
Trichlorofluoromethane	17.4	0.50	ug/L	20.00		87	62-148			
Vinyl acetate	24.4	2.0	ug/L	20.00		122	34-167			
Vinyl chloride	16.3	0.50	ug/L	20.00		81	57-141			
Xylenes, total	67.8	0.15	ug/L	60.00		113	77-133			
Surrogate: 4-Bromofluorobenzene	*51.5*		*ug/L*	*50.00*		*103*	*80-124*			
Surrogate: Dibromofluoromethane	*50.4*		*ug/L*	*50.00*		*101*	*75-129*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50.00*		*98*	*77-123*			
LCS Dup (P5K0513-BSD1)				Prepared & Analyzed: 11/24/15						
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/L	20.00		112	79-134	2	20	
1,1,1-Trichloroethane	23.6	0.50	ug/L	20.00		118	75-136	2	20	
1,1,2,2-Tetrachloroethane	22.0	0.50	ug/L	20.00		110	62-127	2	20	
1,1,2-Trichloroethane	22.9	0.50	ug/L	20.00		115	70-140	2	20	
1,1-Dichloroethane	22.5	0.50	ug/L	20.00		112	78-130	1	20	
1,1-Dichloroethylene	22.4	0.50	ug/L	20.00		112	70-154	0.8	20	
1,1-Dichloropropylene	22.3	0.50	ug/L	20.00		111	71-136	3	20	
1,2,3-Trichlorobenzene	20.6	2.0	ug/L	20.00		103	58-144	21	20	D
1,2,3-Trichloropropane	22.5	1.0	ug/L	20.00		112	71-127	3	20	
1,2,4-Trichlorobenzene	22.4	1.0	ug/L	20.00		112	66-139	9	20	
1,2,4-Trimethylbenzene	21.6	0.50	ug/L	20.00		108	75-133	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.0	ug/L	20.00		112	63-134	2	20	
1,2-Dibromoethane	23.0	0.50	ug/L	20.00		115	77-135	2	20	
1,2-Dichlorobenzene	21.6	0.50	ug/L	20.00		108	78-128	3	20	
1,2-Dichloroethane	22.8	0.50	ug/L	20.00		114	68-131	1	20	
1,2-Dichloropropane	22.0	0.50	ug/L	20.00		110	77-130	0.8	20	
1,3,5-Trimethylbenzene	21.6	0.50	ug/L	20.00		108	75-131	3	20	
1,3-Dichlorobenzene	20.8	0.50	ug/L	20.00		104	77-125	3	20	
Dichloropropane	22.5	0.50	ug/L	20.00		113	76-132	0.8	20	
-Dichlorobenzene	20.9	0.50	ug/L	20.00		105	75-126	5	20	

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Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0513 - 5030B										
LCS Dup (P5K0513-BSD1)				Prepared & Analyzed: 11/24/15						
1,4-Dioxane	1.00E9	150	ug/L	200.0		NR	70-130	0	20	
2,2-Dichloropropane	23.8	2.0	ug/L	20.00		119	29-149	4	20	
2-Chloroethyl Vinyl Ether	22.1	5.0	ug/L	20.00		111	34-144	4	20	
2-Chlorotoluene	21.6	0.50	ug/L	20.00		108	74-126	5	20	
4-Chlorotoluene	21.3	0.50	ug/L	20.00		107	78-129	3	20	
4-Isopropyltoluene	21.7	0.50	ug/L	20.00		109	69-132	3	20	
Acetone	38.5	5.0	ug/L	40.00		96	40-166	21	20	D
Acrolein	56.4	20	ug/L	40.00		141	70-130	6	20	LH
Acrylonitrile	44.4	20	ug/L	40.00		111	81-127	6	20	
Benzene	22.8	0.50	ug/L	20.00		114	77-128	0.4	20	
Bromobenzene	21.4	0.50	ug/L	20.00		107	78-129	3	20	
Bromochloromethane	23.0	0.50	ug/L	20.00		115	78-135	4	20	
Bromodichloromethane	23.8	0.50	ug/L	20.00		119	76-138	0.2	20	
Bromoform	24.0	1.0	ug/L	20.00		120	71-135	0.6	20	
Bromomethane	19.0	1.0	ug/L	20.00		95	41-168	6	20	
Carbon disulfide	22.4	5.0	ug/L	20.00		112	59-135	0.8	20	
Carbon Tetrachloride	23.4	0.50	ug/L	20.00		117	72-142	1	20	
Chlorobenzene	21.9	0.50	ug/L	20.00		109	78-119	1	20	
Chloroethane	16.9	0.50	ug/L	20.00		85	57-142	4	20	
cis-1,2-Dichloroethylene	22.3	0.50	ug/L	20.00		112	76-141	0.6	20	
cis-1,3-Dichloropropylene	23.6	0.50	ug/L	20.00		118	65-140	0.2	20	
Dibromochloromethane	22.6	0.50	ug/L	20.00		113	75-134	3	20	
Dibromomethane	22.7	0.50	ug/L	20.00		113	76-138	0.2	20	
Dichlorodifluoromethane	14.9	1.0	ug/L	20.00		74	28-163	2	20	
Ethylbenzene	21.6	0.50	ug/L	20.00		108	80-127	4	20	
Hexachlorobutadiene	22.8	2.0	ug/L	20.00		114	61-134	11	20	
Isopropyl Ether	21.8	0.50	ug/L	20.00		109	60-154	2	20	
Isopropylbenzene (Cumene)	21.4	0.50	ug/L	20.00		107	70-130	6	20	
Methyl Butyl Ketone (2-Hexanone)	20.6	5.0	ug/L	20.00		103	64-137	0.7	20	
Methyl Ethyl Ketone (2-Butanone)	22.1	5.0	ug/L	20.00		111	71-134	0	20	
Methyl Isobutyl Ketone	21.9	5.0	ug/L	20.00		110	69-134	0.4	20	
Methylene Chloride	20.9	5.0	ug/L	20.00		105	73-131	4	20	
Methyl-tert-Butyl Ether	23.1	0.50	ug/L	20.00		115	68-135	2	20	
Naphthalene	21.6	1.0	ug/L	20.00		108	64-136	16	20	
n-Butylbenzene	21.5	1.0	ug/L	20.00		107	68-134	4	20	
n-Propylbenzene	22.1	0.50	ug/L	20.00		111	72-132	4	20	
sec-Butylbenzene	22.0	0.50	ug/L	20.00		110	71-131	5	20	
Styrene	22.1	0.50	ug/L	20.00		111	78-129	1	20	
tert-Butylbenzene	22.3	0.50	ug/L	20.00		111	70-132	3	20	
Tetrachloroethylene	21.2	0.50	ug/L	20.00		106	80-129	4	20	
Toluene	22.6	0.50	ug/L	20.00		113	76-131	0.1	20	
trans-1,2-Dichloroethylene	23.2	0.50	ug/L	20.00		116	76-135	0.1	20	
trans-1,3-Dichloropropylene	23.7	0.50	ug/L	20.00		118	67-140	4	20	
Trichloroethylene	22.3	0.50	ug/L	20.00		112	77-133	2	20	
Trichlorofluoromethane	16.8	0.50	ug/L	20.00		84	62-148	4	20	
Vinyl acetate	24.5	2.0	ug/L	20.00		122	34-167	0.3	20	

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Radiator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0513 - 5030B										
LCS Dup (P5K0513-BSD1)				Prepared & Analyzed: 11/24/15						
Vinyl chloride	16.1	0.50	ug/L	20.00		81	57-141	0.8	20	
Xylenes, total	65.5	0.15	ug/L	60.00		109	77-133	3	20	
Surrogate: 4-Bromofluorobenzene	*50.3*		*ug/L*	*50.00*		*101*	*80-124*			
Surrogate: Dibromofluoromethane	*51.5*		*ug/L*	*50.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50.00*		*98*	*77-123*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
Blank (P5K0469-BLK1)				Prepared & Analyzed: 11/23/15						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
1-Methylnaphthalene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	100	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	30	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	40	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	50	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	200	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	30000	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
Blank (P5K0469-BLK1)				Prepared & Analyzed: 11/23/15						
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	300	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
Nitroso-di-n-propylamine	BRL	10	ug/L							
Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	200	ug/L							
Phenol	BRL	30	ug/L							
Pyrene	BRL	200	ug/L							
Surrogate: 2,4,6-Tribromophenol	*88.0*		*ug/L*	*100.0*		*88*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*40.4*		*ug/L*	*50.00*		*81*	*44-119*			
Surrogate: 2-Fluorophenol	*45.4*		*ug/L*	*100.0*		*45*	*19-119*			
Surrogate: Nitrobenzene-d5	*39.0*		*ug/L*	*50.00*		*78*	*44-120*			
Surrogate: Phenol-d5	*28.0*		*ug/L*	*100.0*		*28*	*11-52*			
Surrogate: Terphenyl-d14	*48.8*		*ug/L*	*50.00*		*98*	*50-134*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
LCS (P5K0469-BS1)				Prepared & Analyzed: 11/23/15						
1,2,4-Trichlorobenzene	31.6	10	ug/L	50.00		63	29-126			
1,2-Dichlorobenzene	28.2	10	ug/L	50.00		56	32-111			
1,3-Dichlorobenzene	27.2	10	ug/L	50.00		54	28-110			
1,4-Dichlorobenzene	27.7	10	ug/L	50.00		55	29-112			
1-Methylnaphthalene	39.9	10	ug/L	50.00		80	41-119			
2,4,5-Trichlorophenol	37.9	10	ug/L	50.00		76	53-123			
2,4,6-Trichlorophenol	38.6	10	ug/L	50.00		77	50-125			
2,4-Dichlorophenol	36.2	10	ug/L	50.00		72	47-121			
2,4-Dimethylphenol	33.9	100	ug/L	50.00		68	31-124			J
2,4-Dinitrophenol	41.0	10	ug/L	50.00		82	23-143			
2,4-Dinitrotoluene	42.6	10	ug/L	50.00		85	57-128			
2,6-Dinitrotoluene	41.1	10	ug/L	50.00		82	57-124			
2-Chloronaphthalene	42.2	10	ug/L	50.00		84	40-116			
2-Chlorophenol	30.3	10	ug/L	50.00		61	38-117			
2-Methylnaphthalene	38.4	30	ug/L	50.00		77	40-121			
2-Methylphenol	27.9	10	ug/L	50.00		56	30-117			
2-Nitroaniline	39.4	10	ug/L	50.00		79	55-127			
2-Nitrophenol	35.9	10	ug/L	50.00		72	47-123			
3,3'-Dichlorobenzidine	32.2	10	ug/L	50.00		64	27-129			
3/4-Methylphenol	25.5	40	ug/L	50.00		51	29-110			J
3-Nitroaniline	38.5	10	ug/L	50.00		77	41-128			
4,6-Dinitro-2-methylphenol	40.4	10	ug/L	50.00		81	44-137			
4-Bromophenyl phenyl ether	41.2	10	ug/L	50.00		82	55-124			
4-Chloro-3-methylphenol	37.8	50	ug/L	50.00		76	52-119			J
4-Chloroaniline	35.9	10	ug/L	50.00		72	33-117			
4-Chlorophenyl phenyl ether	41.7	10	ug/L	50.00		83	53-121			
4-Nitroaniline	37.3	10	ug/L	50.00		75	45-135			
4-Nitrophenol	17.6	10	ug/L	50.00		35	10-77			
Acenaphthene	43.6	10	ug/L	50.00		87	47-122			
Acenaphthylene	42.6	200	ug/L	50.00		85	41-130			J
Aniline	27.5	10	ug/L	50.00		55	12-197			
Anthracene	46.6	10	ug/L	50.00		93	57-123			
Azobenzene	45.5	10	ug/L	50.00		91	61-116			
Benzo(a)anthracene	44.3	10	ug/L	50.00		89	58-125			
Benzo(a)pyrene	43.7	10	ug/L	50.00		87	54-128			
Benzo(b)fluoranthene	42.0	10	ug/L	50.00		84	53-131			
Benzo(g,h,i)perylene	42.3	10	ug/L	50.00		85	50-134			
Benzo(k)fluoranthene	41.9	10	ug/L	50.00		84	57-129			
Benzoic Acid	7.91	30000	ug/L	50.00		16	10-125			J
Benzyl alcohol	27.7	10	ug/L	50.00		55	31-112			
bis(2-Chloroethoxy)methane	35.9	10	ug/L	50.00		72	48-120			
Bis(2-Chloroethyl)ether	30.8	10	ug/L	50.00		62	43-118			
Bis(2-chloroisopropyl)ether	33.3	10	ug/L	50.00		67	37-130			
Bis(2-Ethylhexyl)phthalate	41.3	10	ug/L	50.00		83	55-135			
Butyl benzyl phthalate	41.0	10	ug/L	50.00		82	53-134			
Chrysene	45.0	10	ug/L	50.00		90	59-123			

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ıdiator Specialty Co
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600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
LCS (P5K0469-BS1)				Prepared & Analyzed: 11/23/15						
Dibenzo(a,h)anthracene	43.4	10	ug/L	50.00		87	51-134			
Dibenzofuran	40.1	10	ug/L	50.00		80	53-118			
Diethyl phthalate	40.9	10	ug/L	50.00		82	56-125			
Dimethyl phthalate	40.7	10	ug/L	50.00		81	45-127			
Di-n-butyl phthalate	41.5	10	ug/L	50.00		83	59-127			
Di-n-octyl phthalate	39.1	10	ug/L	50.00		78	51-140			
Fluoranthene	44.7	300	ug/L	50.00		89	57-128			J
Fluorene	43.1	10	ug/L	50.00		86	52-124			
Hexachlorobenzene	39.2	10	ug/L	50.00		78	53-125			
Hexachlorobutadiene	30.1	10	ug/L	50.00		60	22-124			
Hexachlorocyclopentadiene	30.8	10	ug/L	50.00		62	32-117			
Hexachloroethane	26.7	10	ug/L	50.00		53	21-115			
Indeno(1,2,3-cd)pyrene	39.4	10	ug/L	50.00		79	52-134			
Isophorone	40.3	10	ug/L	50.00		81	42-124			
Naphthalene	37.1	10	ug/L	50.00		74	40-121			
Nitrobenzene	37.2	10	ug/L	50.00		74	45-121			
Nitroso-di-n-propylamine	34.0	10	ug/L	50.00		68	49-119			
Nitrosodiphenylamine	39.5	10	ug/L	50.00		79	51-123			
Pentachlorophenol	38.5	10	ug/L	50.00		77	35-138			
Phenanthrene	43.6	200	ug/L	50.00		87	59-120			J
Phenol	13.7	30	ug/L	50.00		27	12-58			J
Pyrene	45.3	200	ug/L	50.00		91	57-126			J
Surrogate: 2,4,6-Tribromophenol	*87.1*		*ug/L*	*100.0*		*87*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*41.7*		*ug/L*	*50.00*		*83*	*44-119*			
Surrogate: 2-Fluorophenol	*42.4*		*ug/L*	*100.0*		*42*	*19-119*			
Surrogate: Nitrobenzene-d5	*39.2*		*ug/L*	*50.00*		*78*	*44-120*			
Surrogate: Phenol-d5	*28.0*		*ug/L*	*100.0*		*28*	*11-52*			
Surrogate: Terphenyl-d14	*44.1*		*ug/L*	*50.00*		*88*	*50-134*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
LCS Dup (P5K0469-BSD1)				Prepared & Analyzed: 11/23/15						
1,2,4-Trichlorobenzene	33.0	10	ug/L	50.00		66	29-126	4	20	
1,2-Dichlorobenzene	29.8	10	ug/L	50.00		60	32-111	6	20	
1,3-Dichlorobenzene	29.1	10	ug/L	50.00		58	28-110	7	20	
1,4-Dichlorobenzene	29.5	10	ug/L	50.00		59	29-112	6	20	
1-Methylnaphthalene	40.3	10	ug/L	50.00		81	41-119	1	20	
2,4,5-Trichlorophenol	39.4	10	ug/L	50.00		79	53-123	4	20	
2,4,6-Trichlorophenol	39.7	10	ug/L	50.00		79	50-125	3	20	
2,4-Dichlorophenol	36.8	10	ug/L	50.00		74	47-121	1	20	
2,4-Dimethylphenol	36.2	100	ug/L	50.00		72	31-124	7	20	J
2,4-Dinitrophenol	41.1	10	ug/L	50.00		82	23-143	0.4	20	
2,4-Dinitrotoluene	44.2	10	ug/L	50.00		88	57-128	4	20	
2,6-Dinitrotoluene	42.6	10	ug/L	50.00		85	57-124	4	20	
2-Chloronaphthalene	43.1	10	ug/L	50.00		86	40-116	2	20	
2-Chlorophenol	32.3	10	ug/L	50.00		65	38-117	7	20	
2-Methylnaphthalene	38.9	30	ug/L	50.00		78	40-121	1	20	
2-Methylphenol	30.0	10	ug/L	50.00		60	30-117	7	20	
2-Nitroaniline	39.9	10	ug/L	50.00		80	55-127	1	20	
2-Nitrophenol	37.5	10	ug/L	50.00		75	47-123	4	20	
3,3'-Dichlorobenzidine	39.6	10	ug/L	50.00		79	27-129	21	20	D
3/4-Methylphenol	28.1	40	ug/L	50.00		56	29-110	10	20	J
3-Nitroaniline	39.9	10	ug/L	50.00		80	41-128	4	20	
4,6-Dinitro-2-methylphenol	42.8	10	ug/L	50.00		86	44-137	6	20	
4-Bromophenyl phenyl ether	42.4	10	ug/L	50.00		85	55-124	3	20	
4-Chloro-3-methylphenol	39.6	50	ug/L	50.00		79	52-119	5	20	J
4-Chloroaniline	38.4	10	ug/L	50.00		77	33-117	7	20	
4-Chlorophenyl phenyl ether	44.0	10	ug/L	50.00		88	53-121	5	20	
4-Nitroaniline	39.1	10	ug/L	50.00		78	45-135	5	20	
4-Nitrophenol	19.4	10	ug/L	50.00		39	10-77	10	20	
Acenaphthene	44.5	10	ug/L	50.00		89	47-122	2	20	
Acenaphthylene	44.2	200	ug/L	50.00		88	41-130	3	20	J
Aniline	34.5	10	ug/L	50.00		69	12-197	22	20	D
Anthracene	47.0	10	ug/L	50.00		94	57-123	0.9	20	
Azobenzene	46.1	10	ug/L	50.00		92	61-116	1	20	
Benzo(a)anthracene	46.0	10	ug/L	50.00		92	58-125	4	20	
Benzo(a)pyrene	45.9	10	ug/L	50.00		92	54-128	5	20	
Benzo(b)fluoranthene	43.9	10	ug/L	50.00		88	53-131	4	20	
Benzo(g,h,i)perylene	43.6	10	ug/L	50.00		87	50-134	3	20	
Benzo(k)fluoranthene	43.3	10	ug/L	50.00		87	57-129	3	20	
Benzoic Acid	14.7	30000	ug/L	50.00		29	10-125	60	20	D, J
Benzyl alcohol	30.1	10	ug/L	50.00		60	31-112	8	20	
bis(2-Chloroethoxy)methane	36.5	10	ug/L	50.00		73	48-120	2	20	
Bis(2-Chloroethyl)ether	33.3	10	ug/L	50.00		67	43-118	8	20	
Bis(2-chloroisopropyl)ether	35.1	10	ug/L	50.00		70	37-130	5	20	
Bis(2-Ethylhexyl)phthalate	43.2	10	ug/L	50.00		86	55-135	4	20	
Butyl benzyl phthalate	42.5	10	ug/L	50.00		85	53-134	4	20	
Chrysene	47.2	10	ug/L	50.00		94	59-123	5	20	

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diator Specialty Co
Attn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
LCS Dup (P5K0469-BSD1)				Prepared & Analyzed: 11/23/15						
Dibenzo(a,h)anthracene	45.1	10	ug/L	50.00		90	51-134	4	20	
Dibenzofuran	41.4	10	ug/L	50.00		83	53-118	3	20	
Diethyl phthalate	42.3	10	ug/L	50.00		85	56-125	3	20	
Dimethyl phthalate	42.5	10	ug/L	50.00		85	45-127	4	20	
Di-n-butyl phthalate	42.9	10	ug/L	50.00		86	59-127	3	20	
Di-n-octyl phthalate	40.6	10	ug/L	50.00		81	51-140	4	20	
Fluoranthene	45.8	300	ug/L	50.00		92	57-128	3	20	J
Fluorene	44.7	10	ug/L	50.00		89	52-124	4	20	
Hexachlorobenzene	39.3	10	ug/L	50.00		79	53-125	0.2	20	
Hexachlorobutadiene	31.6	10	ug/L	50.00		63	22-124	5	20	
Hexachlorocyclopentadiene	30.7	10	ug/L	50.00		61	32-117	0.4	20	
Hexachloroethane	28.4	10	ug/L	50.00		57	21-115	6	20	
Indeno(1,2,3-cd)pyrene	41.2	10	ug/L	50.00		82	52-134	4	20	
Isophorone	41.1	10	ug/L	50.00		82	42-124	2	20	
Naphthalene	38.3	10	ug/L	50.00		77	40-121	3	20	
Nitrobenzene	37.9	10	ug/L	50.00		76	45-121	2	20	
Nitroso-di-n-propylamine	35.7	10	ug/L	50.00		71	49-119	5	20	
Nitrosodiphenylamine	42.2	10	ug/L	50.00		84	51-123	7	20	
Pentachlorophenol	41.1	10	ug/L	50.00		82	35-138	6	20	
Phenanthrene	44.8	200	ug/L	50.00		90	59-120	3	20	J
Phenol	15.3	30	ug/L	50.00		31	12-58	11	20	J
Pyrene	46.6	200	ug/L	50.00		93	57-126	3	20	J
Surrogate: 2,4,6-Tribromophenol	*84.7*		*ug/L*	*100.0*		*85*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*39.5*		*ug/L*	*50.00*		*79*	*44-119*			
Surrogate: 2-Fluorophenol	*45.4*		*ug/L*	*100.0*		*45*	*19-119*			
Surrogate: Nitrobenzene-d5	*37.2*		*ug/L*	*50.00*		*74*	*44-120*			
Surrogate: Phenol-d5	*29.0*		*ug/L*	*100.0*		*29*	*11-52*			
Surrogate: Terphenyl-d14	*42.1*		*ug/L*	*50.00*		*84*	*50-134*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
Matrix Spike (P5K0469-MS1)	**Source: 5110413-04**			Prepared: 11/23/15 Analyzed: 11/24/15						
1,2,4-Trichlorobenzene	55.5	20	ug/L	100.0	BRL	55	29-116			
1,2-Dichlorobenzene	51.8	20	ug/L	100.0	BRL	52	32-111			
1,3-Dichlorobenzene	53.0	20	ug/L	100.0	BRL	53	28-110			
1,4-Dichlorobenzene	53.3	20	ug/L	100.0	BRL	53	29-112			
1-Methylnaphthalene	71.1	20	ug/L	100.0	BRL	71	41-119			
2,4,5-Trichlorophenol	67.7	20	ug/L	100.0	BRL	68	53-123			
2,4,6-Trichlorophenol	69.5	20	ug/L	100.0	BRL	70	50-125			
2,4-Dichlorophenol	66.6	20	ug/L	100.0	BRL	67	47-121			
2,4-Dimethylphenol	73.7	200	ug/L	100.0	4.57	74	31-124			J
2,4-Dinitrophenol	69.0	20	ug/L	100.0	BRL	69	23-143			
2,4-Dinitrotoluene	74.2	20	ug/L	100.0	BRL	74	57-128			
2,6-Dinitrotoluene	71.8	20	ug/L	100.0	BRL	72	57-124			
2-Chloronaphthalene	80.1	20	ug/L	100.0	BRL	80	40-116			
2-Chlorophenol	56.0	20	ug/L	100.0	BRL	56	38-117			
2-Methylnaphthalene	67.2	60	ug/L	100.0	BRL	67	40-121			
2-Methylphenol	73.2	20	ug/L	100.0	11.7	62	30-117			
2-Nitroaniline	70.1	20	ug/L	100.0	BRL	70	55-127			
2-Nitrophenol	62.0	20	ug/L	100.0	BRL	62	47-123			
3,3'-Dichlorobenzidine	44.6	20	ug/L	100.0	BRL	45	27-129			
3/4-Methylphenol	58.7	80	ug/L	100.0	BRL	59	29-110			J
3-Nitroaniline	63.3	20	ug/L	100.0	BRL	63	41-128			
4,6-Dinitro-2-methylphenol	70.6	20	ug/L	100.0	BRL	71	44-137			
4-Bromophenyl phenyl ether	70.2	20	ug/L	100.0	BRL	70	55-124			
4-Chloro-3-methylphenol	75.6	100	ug/L	100.0	BRL	76	52-119			J
4-Chloroaniline	61.5	20	ug/L	100.0	BRL	62	33-117			
4-Chlorophenyl phenyl ether	72.7	20	ug/L	100.0	BRL	73	53-121			
4-Nitroaniline	67.3	20	ug/L	100.0	BRL	67	45-135			
4-Nitrophenol	45.3	20	ug/L	100.0	BRL	45	10-105			
Acenaphthene	76.5	20	ug/L	100.0	BRL	76	47-122			
Acenaphthylene	76.7	400	ug/L	100.0	BRL	77	41-130			J
Aniline	50.9	20	ug/L	100.0	BRL	51	11-124			
Anthracene	80.3	20	ug/L	100.0	BRL	80	57-123			
Azobenzene	78.2	20	ug/L	100.0	BRL	78	61-116			
Benzo(a)anthracene	75.6	20	ug/L	100.0	BRL	76	58-125			
Benzo(a)pyrene	75.4	20	ug/L	100.0	BRL	75	54-128			
Benzo(b)fluoranthene	70.3	20	ug/L	100.0	BRL	70	53-131			
Benzo(g,h,i)perylene	74.0	20	ug/L	100.0	BRL	74	50-134			
Benzo(k)fluoranthene	72.5	20	ug/L	100.0	BRL	72	57-129			
Benzoic Acid	BRL	60000	ug/L	100.0	BRL		10-125			M
Benzyl alcohol	55.8	20	ug/L	100.0	BRL	56	31-112			
bis(2-Chloroethoxy)methane	59.7	20	ug/L	100.0	BRL	60	48-120			
Bis(2-Chloroethyl)ether	55.7	20	ug/L	100.0	BRL	56	43-118			
Bis(2-chloroisopropyl)ether	59.4	20	ug/L	100.0	BRL	59	37-130			
Bis(2-Ethylhexyl)phthalate	75.6	20	ug/L	100.0	BRL	76	55-135			
Butyl benzyl phthalate	72.3	20	ug/L	100.0	BRL	72	53-134			
Chrysene	78.2	20	ug/L	100.0	BRL	78	59-123			

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Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
Matrix Spike (P5K0469-MS1)	**Source: 5110413-04**			Prepared: 11/23/15 Analyzed: 11/24/15						
Dibenzo(a,h)anthracene	73.0	20	ug/L	100.0	BRL	73	51-134			
Dibenzofuran	70.5	20	ug/L	100.0	BRL	71	53-118			
Diethyl phthalate	71.3	20	ug/L	100.0	BRL	71	56-125			
Dimethyl phthalate	71.7	20	ug/L	100.0	BRL	72	45-127			
Di-n-butyl phthalate	71.4	20	ug/L	100.0	BRL	71	59-127			
Di-n-octyl phthalate	66.2	20	ug/L	100.0	BRL	66	51-140			
Fluoranthene	75.2	600	ug/L	100.0	BRL	75	57-128			J
Fluorene	74.9	20	ug/L	100.0	BRL	75	52-124			
Hexachlorobenzene	66.3	20	ug/L	100.0	BRL	66	53-125			
Hexachlorobutadiene	54.9	20	ug/L	100.0	BRL	55	22-124			
Hexachlorocyclopentadiene	55.9	20	ug/L	100.0	BRL	56	26-122			
Hexachloroethane	51.5	20	ug/L	100.0	BRL	52	21-115			
Indeno(1,2,3-cd)pyrene	68.7	20	ug/L	100.0	BRL	69	52-134			
Isophorone	65.4	20	ug/L	100.0	BRL	65	42-124			
Naphthalene	66.7	20	ug/L	100.0	BRL	67	40-121			
Nitrobenzene	62.8	20	ug/L	100.0	BRL	63	45-121			
Nitroso-di-n-propylamine	56.9	20	ug/L	100.0	BRL	57	49-119			
Nitrosodiphenylamine	70.9	20	ug/L	100.0	BRL	71	51-123			
Pentachlorophenol	68.4	20	ug/L	100.0	BRL	68	35-138			
Phenanthrene	75.6	400	ug/L	100.0	BRL	76	59-120			J
Phenol	40.9	60	ug/L	100.0	BRL	41	10-68			J
Pyrene	79.3	400	ug/L	100.0	BRL	79	57-126			J
Surrogate: 2,4,6-Tribromophenol	*152*		*ug/L*	*200.0*		*76*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*71.0*		*ug/L*	*100.0*		*71*	*44-119*			
Surrogate: 2-Fluorophenol	*100*		*ug/L*	*200.0*		*50*	*19-119*			
Surrogate: Nitrobenzene-d5	*65.8*		*ug/L*	*100.0*		*66*	*44-120*			
Surrogate: Phenol-d5	*79.0*		*ug/L*	*200.0*		*40*	*11-52*			
Surrogate: Terphenyl-d14	*73.4*		*ug/L*	*100.0*		*73*	*50-134*			

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Prism Work Order: 5110413
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
Matrix Spike Dup (P5K0469-MSD1)	**Source: 5110413-04**			Prepared: 11/23/15 Analyzed: 11/24/15						
1,2,4-Trichlorobenzene	59.7	20	ug/L	100.0	BRL	60	29-116	7	30	
1,2-Dichlorobenzene	55.1	20	ug/L	100.0	BRL	55	32-111	6	50	
1,3-Dichlorobenzene	54.2	20	ug/L	100.0	BRL	54	28-110	2	50	
1,4-Dichlorobenzene	56.0	20	ug/L	100.0	BRL	56	29-112	5	50	
1-Methylnaphthalene	80.7	20	ug/L	100.0	BRL	81	41-119	13	50	
2,4,5-Trichlorophenol	87.0	20	ug/L	100.0	BRL	87	53-123	25	50	
2,4,6-Trichlorophenol	88.2	20	ug/L	100.0	BRL	88	50-125	24	50	
2,4-Dichlorophenol	82.6	20	ug/L	100.0	BRL	83	47-121	22	50	
2,4-Dimethylphenol	89.4	200	ug/L	100.0	4.57	89	31-124	19	50	J
2,4-Dinitrophenol	87.4	20	ug/L	100.0	BRL	87	23-143	24	50	
2,4-Dinitrotoluene	95.4	20	ug/L	100.0	BRL	95	57-128	25	50	
2,6-Dinitrotoluene	90.8	20	ug/L	100.0	BRL	91	57-124	23	50	
2-Chloronaphthalene	94.1	20	ug/L	100.0	BRL	94	40-116	16	50	
2-Chlorophenol	60.9	20	ug/L	100.0	BRL	61	38-117	9	50	
2-Methylnaphthalene	76.7	60	ug/L	100.0	BRL	77	40-121	13	50	
2-Methylphenol	83.4	20	ug/L	100.0	11.7	72	30-117	13	50	
2-Nitroaniline	90.5	20	ug/L	100.0	BRL	91	55-127	25	50	
2-Nitrophenol	66.8	20	ug/L	100.0	BRL	67	47-123	7	50	
3,3'-Dichlorobenzidine	62.2	20	ug/L	100.0	BRL	62	27-129	33	50	
3/4-Methylphenol	68.8	80	ug/L	100.0	BRL	69	29-110	16	50	J
3-Nitroaniline	82.0	20	ug/L	100.0	BRL	82	41-128	26	50	
4,6-Dinitro-2-methylphenol	90.9	20	ug/L	100.0	BRL	91	44-137	25	50	
4-Bromophenyl phenyl ether	90.5	20	ug/L	100.0	BRL	91	55-124	25	50	
4-Chloro-3-methylphenol	98.3	100	ug/L	100.0	BRL	98	52-119	26	50	J
4-Chloroaniline	74.2	20	ug/L	100.0	BRL	74	33-117	19	50	
4-Chlorophenyl phenyl ether	93.0	20	ug/L	100.0	BRL	93	53-121	24	50	
4-Nitroaniline	89.7	20	ug/L	100.0	BRL	90	45-135	28	50	
4-Nitrophenol	58.4	20	ug/L	100.0	BRL	58	10-105	25	50	
Acenaphthene	93.7	20	ug/L	100.0	BRL	94	47-122	20	50	
Acenaphthylene	92.9	400	ug/L	100.0	BRL	93	41-130	19	50	J
Aniline	55.9	20	ug/L	100.0	BRL	56	11-124	9	50	
Anthracene	102	20	ug/L	100.0	BRL	102	57-123	24	50	
Azobenzene	98.8	20	ug/L	100.0	BRL	99	61-116	23	50	
Benzo(a)anthracene	98.2	20	ug/L	100.0	BRL	98	58-125	26	50	
Benzo(a)pyrene	106	20	ug/L	100.0	BRL	106	54-128	34	50	
Benzo(b)fluoranthene	97.0	20	ug/L	100.0	BRL	97	53-131	32	50	
Benzo(g,h,i)perylene	102	20	ug/L	100.0	BRL	102	50-134	32	50	
Benzo(k)fluoranthene	103	20	ug/L	100.0	BRL	103	57-129	35	50	
Benzoic Acid	BRL	60000	ug/L	100.0	BRL		10-125		50	M
Benzyl alcohol	62.0	20	ug/L	100.0	BRL	62	31-112	10	50	
bis(2-Chloroethoxy)methane	66.1	20	ug/L	100.0	BRL	66	48-120	10	50	
Bis(2-Chloroethyl)ether	62.2	20	ug/L	100.0	BRL	62	43-118	11	50	
Bis(2-chloroisopropyl)ether	61.4	20	ug/L	100.0	BRL	61	37-130	3	50	
Bis(2-Ethylhexyl)phthalate	99.9	20	ug/L	100.0	BRL	100	55-135	28	50	
Butyl benzyl phthalate	93.6	20	ug/L	100.0	BRL	94	53-134	26	50	
Chrysene	102	20	ug/L	100.0	BRL	102	59-123	26	50	

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Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0469 - 3510C MS										
Matrix Spike Dup (P5K0469-MSD1)	**Source: 5110413-04**			Prepared: 11/23/15 Analyzed: 11/24/15						
Dibenzo(a,h)anthracene	105	20	ug/L	100.0	BRL	105	51-134	36	50	
Dibenzofuran	88.1	20	ug/L	100.0	BRL	88	53-118	22	50	
Diethyl phthalate	92.1	20	ug/L	100.0	BRL	92	56-125	25	50	
Dimethyl phthalate	90.3	20	ug/L	100.0	BRL	90	45-127	23	50	
Di-n-butyl phthalate	94.1	20	ug/L	100.0	BRL	94	59-127	27	50	
Di-n-octyl phthalate	95.1	20	ug/L	100.0	BRL	95	51-140	36	50	
Fluoranthene	96.6	600	ug/L	100.0	BRL	97	57-128	25	50	J
Fluorene	95.6	20	ug/L	100.0	BRL	96	52-124	24	50	
Hexachlorobenzene	84.0	20	ug/L	100.0	BRL	84	53-125	24	50	
Hexachlorobutadiene	58.9	20	ug/L	100.0	BRL	59	22-124	7	50	
Hexachlorocyclopentadiene	60.6	20	ug/L	100.0	BRL	61	26-122	8	50	
Hexachloroethane	53.9	20	ug/L	100.0	BRL	54	21-115	4	50	
Indeno(1,2,3-cd)pyrene	96.0	20	ug/L	100.0	BRL	96	52-134	33	50	
Isophorone	72.1	20	ug/L	100.0	BRL	72	42-124	10	50	
Naphthalene	71.9	20	ug/L	100.0	BRL	72	40-121	8	50	
Nitrobenzene	69.2	20	ug/L	100.0	BRL	69	45-121	10	50	
Nitroso-di-n-propylamine	61.9	20	ug/L	100.0	BRL	62	49-119	9	50	
Nitrosodiphenylamine	89.4	20	ug/L	100.0	BRL	89	51-123	23	50	
Pentachlorophenol	90.6	20	ug/L	100.0	BRL	91	35-138	28	50	
Phenanthrene	95.8	400	ug/L	100.0	BRL	96	59-120	24	50	J
Phenol	44.8	60	ug/L	100.0	BRL	45	10-68	9	50	J
Pyrene	101	400	ug/L	100.0	BRL	101	57-126	24	50	J
Surrogate: 2,4,6-Tribromophenol	*189*		*ug/L*	*200.0*		*95*	*43-140*			
Surrogate: 2-Fluorobiphenyl	*81.9*		*ug/L*	*100.0*		*82*	*44-119*			
Surrogate: 2-Fluorophenol	*99.0*		*ug/L*	*200.0*		*49*	*19-119*			
Surrogate: Nitrobenzene-d5	*68.7*		*ug/L*	*100.0*		*69*	*44-120*			
Surrogate: Phenol-d5	*83.3*		*ug/L*	*200.0*		*42*	*11-52*			
Surrogate: Terphenyl-d14	*92.9*		*ug/L*	*100.0*		*93*	*50-134*			

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Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5L0005 - 3010A										
Blank (P5L0005-BLK1)				Prepared: 12/01/15 Analyzed: 12/02/15						
Arsenic	BRL	0.010	mg/L							
Cadmium	BRL	0.0020	mg/L							
Chromium	BRL	0.010	mg/L							
Lead	BRL	0.015	mg/L							
LCS (P5L0005-BS1)				Prepared: 12/01/15 Analyzed: 12/02/15						
Arsenic	0.232	0.010	mg/L	0.2500		93	80-120			
Cadmium	0.237	0.0020	mg/L	0.2500		95	80-120			
Chromium	0.238	0.010	mg/L	0.2500		95	80-120			
Lead	0.241	0.015	mg/L	0.2500		96	80-120			
Matrix Spike (P5L0005-MS1)	Source: 5110413-03			Prepared: 12/01/15 Analyzed: 12/02/15						
Arsenic	0.238	0.010	mg/L	0.2500	BRL	95	75-125			
Cadmium	0.238	0.0020	mg/L	0.2500	BRL	95	75-125			
Chromium	0.237	0.010	mg/L	0.2500	BRL	95	75-125			
Lead	0.241	0.015	mg/L	0.2500	0.00327	95	75-125			
Matrix Spike Dup (P5L0005-MSD1)	Source: 5110413-03			Prepared: 12/01/15 Analyzed: 12/02/15						
Arsenic	0.239	0.010	mg/L	0.2500	BRL	95	75-125	0.3	20	
Cadmium	0.237	0.0020	mg/L	0.2500	BRL	95	75-125	0.3	20	
Chromium	0.236	0.010	mg/L	0.2500	BRL	94	75-125	0.3	20	
Lead	0.240	0.015	mg/L	0.2500	0.00327	95	75-125	0.4	20	

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adiator Specialty Co
.ttn: Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Prism Work Order: 5110413
Time Submitted: 11/19/2015 3:10:00PM

Anions by Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5L0022 - NO PREP										
Blank (P5L0022-BLK1)				Prepared & Analyzed: 12/01/15						
Chloride	BRL	250	mg/L							
Blank (P5L0022-BLK2)				Prepared: 12/01/15 Analyzed: 12/02/15						
Chloride	BRL	250	mg/L							
LCS (P5L0022-BS1)				Prepared & Analyzed: 12/01/15						
Chloride	41.3	260	mg/L	40.00		103	80-120			
LCS (P5L0022-BS2)				Prepared: 12/01/15 Analyzed: 12/02/15						
Chloride	40.3	260	mg/L	40.00		101	80-120			
Matrix Spike (P5L0022-MS1)	Source: 5110413-04			Prepared & Analyzed: 12/01/15						
Chloride	134	260	mg/L	40.00	90.6	107	80-120			
Matrix Spike Dup (P5L0022-MSD1)	Source: 5110413-04			Prepared & Analyzed: 12/01/15						
Chloride	133	260	mg/L	40.00	90.6	106	80-120	0.5	15	

Sample Extraction Data

ep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
5110413-04	P5K0469	1000 mL	1 mL	11/23/15 12:50

Prep Method: 3010A

Lab Number	Batch	Initial	Final	Date/Time
5110413-03	P5L0005	50 mL	50 mL	12/01/15 8:10
5110413-04	P5L0005	50 mL	50 mL	12/01/15 8:10

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5110413-01	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-01	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-02	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-03	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-03	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-04	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-04	P5K0513	10 mL	10 mL	11/24/15 7:54
5110413-05	P5K0513	10 mL	10 mL	11/24/15 7:54

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449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kerkhoff
Reporting Address: 600 Radiator Rd
Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (No): _____
Email Address: skerkhoff@carbonds.com
EDD Type: PDF ✓ Excel ___ Other _____
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd
Indian Trail, NC 28079

Invoice To: Accts Payable
Address: 600 Radiator Rd
Indian Trail, NC 28079

Purchase Order No./Billing Reference 4500030072

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: DET-10 Observed: 6.2 °C / Corr: 4.9 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ DoD ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___

Water Chlorinated: YES ___ NO ✓

Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED: 8260	RCRA Metals	PAS	Cd	Cr	Pb	Hg	REMARKS	PRISM LAB ID NO.
MW-17A	11/16/15	14:10	W	VOA	2	40-mL	HCl	2								001
					2	40-mL	None	2								
Field Blank 1	11/16/15	14:30	W	VOA	2	40-mL	HCl	2								002
					2	40-mL	None	2								
OM-5	11/16/15	14:40	W	VOA	2	40-mL	HCl	2								003
					2	40-mL	None	2								
					1	250-mL	HNO3		1							

Sampler's Signature Stuart Kerkhoff Sampled By (Print Name) Stuart Kerkhoff Affiliation Radiator Specialty

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Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) Stuart Kerkhoff 11/19/15 8:50	Received By: (Signature)	11-19-15	8:05
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 11-19-15	15:10

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☑ Prism Field Service ☐ Other _____

COC Group No 5110413

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☑ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

SEE REVERSE FOR TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (~~No~~) UST Project: (Yes) (~~No~~)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Accts Payable
Address: 600 Radiator Rd
Indian Trail, NC 28079
Purchase Order No./Billing Reference 4500030072

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ ~~Standard~~ 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

Client Company Name: Radiator Specialty
Report To/Contact Name: Stuart Ketchoff
Reporting Address: 600 Radiator Rd
Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (~~No~~): _____
Email Address: skerkhoff@rscbrands.com
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: Radiator Specialty Co.
Site Location Physical Address: 600 Radiator Rd, Indian Trail, NC 28079

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?		✓	
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: DT-03 Observed: 6.2 °C / Corr. 4.9 °C

Page 37 of 37

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ___ SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES ___ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260	8270	Pb-TetraEthyl	Cl	As Cd Cr Pb Mg	REMARKS	PRISM LAB ID NO.
MW-2B	11/18/15	10:15	W	VOA	2	40-mL	HCl	2						004
				A, G	2	1-L	None		2					
				P	1	250-mL	HNO_3			1				
				P	1	250-mL	None				1			
				VOA	2	40-mL	None	2						
Field Blank 2	11/18/15	10:33	W	VOA	1	40-mL	HCl	2						005
				VOA	2	40-mL	None	2						

Sampler's Signature Stuart Ketchoff Sampled By (Print Name) Stuart Ketchoff Affiliation Radiator Specialty

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		Date	Military/Hours
Relinquished By: (Signature) Stuart Ketchoff 11/19/15 8:50	Received By: (Signature)	11-19-15	0905
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 11-19-15	15:10

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ ~~Prism Field Service~~ ☐ Other _____

COC Group No. 411043

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ ~~NC~~ ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

SEE REVERSE FOR TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

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Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

12/14/2015

Radiator Specialty Co
Stuart Kerkhoff
600 Radiator Rd.
Indian Trail, NC 28079

Project: Annual GW Sampling Event

Lab Submittal Date: 11/19/2015
Prism Work Order: 5110423

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

RECEIVED
DEC 15 2015
By

Narrative Notes:

Mehod 1613 analysis was subcontracted to SGS. Laboratory report is attached with a total page count of ~~13~~ 14 pages.
14 rcvd/PRISM

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones
President/Project Manager

Reviewed By Robbi A. Jones
President/Project Manager

Data Qualifiers Key Reference:

BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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CHAIN OF CUSTODY RECORD

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PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Annual GW Sampling
Short Hold Analysis: (Yes) (~~No~~) UST Project: (Yes) (~~NO~~)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Client Company Name: Radiator Specialty Co.
Report To/Contact Name: Stuart Kerkhoff
Reporting Address: 600 Radiator Rd Indian Trail, NC 28079
Phone: 684-1815 Fax (Yes) (~~No~~):
Email Address: skerkhoff@RSCbrands.com
EDD Type: PDF ✓ Excel ___ Other ___
Site Location Name: Radiator Specialty
Site Location Physical Address: 600 Radiator Rd, Indian Trail NC 28079

Invoice To: Accts Payable
Address: 600 Radiator Rd Indian Trail, NC 28079

Purchase Order No./Billing Reference _____
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☑ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: JRT-10 Observed: 6.9 °C / Corr: 5.6 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ✓
Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED MIC13B	(Dioxins)					REMARKS	PRISM LAB ID NO.
MW-12A	11/19/15	8:53	W	A, G	3	1-L	None	3							01

Sampler's Signature [signature] Sampled By (Print Name) Stuart Kerkhoff Affiliation Radiator Specialty

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Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature] 11/19/15 9:05	[signature]	11-19-15	09:05
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature) [signature]	Received For Prism Laboratories By: [signature]	Date 11-19-15	15:10

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

COC Group No. S110423

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☑ Prism Field Service ☐ Other

Additional Comments:

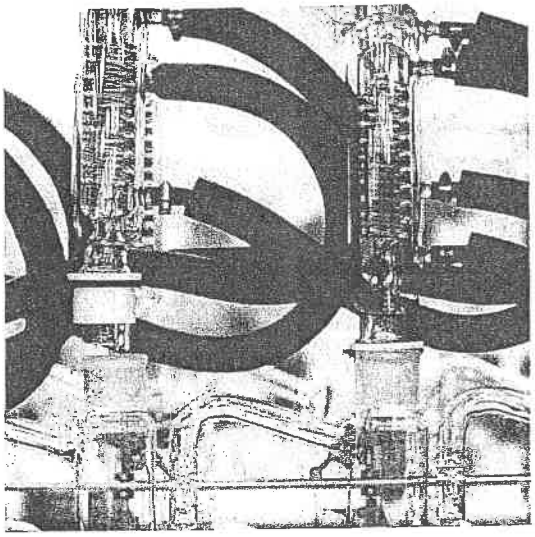
PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☑ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐		☐	☐	☐	☐	☐	☐	☐

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap OA = Volatile Organics Analysis (Zero Head Space)

SGS



FINAL LAB REPORT

5110423

A8429

11-Dec-2015

Prepared by

SGS NORTH AMERICA

Prepared for

Prism Laboratories, Inc.

Robbi A. Jones

P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 800-529-6364
Email: rjones@prismlabs.com

This report is approved by

Digitally signed by Amy Boehm
Date: 2015.12.11 11:24:36
-05'00'

Amy Boehm
Senior Project Manager

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SGS remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.sgs.com/ultratrace and click on the 'Email Us' link or go to our survey here. Thank you for choosing SGS.

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PROJECT INFORMATION SUMMARY *(When applicable, see QC Annotations for details)*

Client Project	5110423
SGS Project #	A8429
Analytical Protocol(s)	Method 1613B 2378 TCDD
No. Samples Submitted	1
Additional QC Sample(s)	0
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
Date Received	24-Nov-15
Condition Received	Good
Temperature upon Receipt (°C)	0.2
Extraction within Holding Time	Yes
Analysis within Holding Time	Yes

QC ANNOTATIONS:

1. Please see Appendices attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

APPENDIX A: GENERAL DATA QUALIFIERS / DATA ATTRIBUTES

B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve) and is an estimated value.
EMPC	Represents an Estimated Maximum Possible Concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.
ND	Indicates a non-detect
NR or R	Indicates a value that is not reportable
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion and may be considered estimates.
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.

APPENDIX B: DRBC/TMDL SPECIFIC DATA QUALIFIERS / DATA ATTRIBUTES

J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).
U	The analyte was not detected in the sample at the estimated detection limit (EDL).
E	The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
D	Dilution Data. Result was obtained from the analysis of a dilution.
B	Analyte found in the sample and associated method blank.
C	Co-eluting congener
Cxx	Co-elutes with the indicated congener, data is reported under the [illegible] IUPAC congener. 'Xx' denotes the IUPAC number with the lowest numerical designated congener.
NR	Analyte is not reportable because of problems in sample prepara[illegible] analysis.
V	Labeled standard recovery is not within method control limits.
X	Results from re-injection/repeat/second-column analysis.
EMPC	Estimated maximum possible concentration. Indicates that a pe[illegible] but did not meet the method specified ion-abundance ratio.

APPENDIX C: LAB IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

SGS

SGS CERTIFICATIONS

Arkansas	88-0682
California (ELAP)	Interim ELAP Cert #2914
CLIA	34D1013708
Connecticut	PH-0258
USDA Soil Permit	P330-14-00135
DoD	2726.01
Florida (Primary NELAP)	E87634
ISO 17025/IEC	2726.01
Louisiana	4115
Maine	#2014020
Massachusetts	M-NC919
Minnesota (Primary NELAP For Method 23)	Lab #037-999-459 Cert #688823
New Jersey	NC100
New York	11685
North Carolina DWR	481
North Dakota	R-197
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	Lab #99029 Cert #99029002
Texas	T104704260-13-5
US Coast Guard	18714/159.317/SGS
Virginia	Lab #460214 Cert #3006
Washington	C913
West Virginia	293

Sample ID: MW-12A

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	Prism Laboratories, Inc.	Matrix:	Aqueous	Lab Project ID:	A8429	Date Received:	24-Nov-2015
Project ID:	5110423	Weight/Volume:	0.97 L	Lab Sample ID	A8429_13801_DF_001	Date Extracted:	03-Dec-2015
Date Collected:	19-Nov-2015	pH:	6	QC Batch No:	13801	Date Analyzed:	09-Dec-2015
		Split:	-	Dilution:	-	Time Analyzed:	15:41:33

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.574			[illegible]	77.9	

Totals					Standard	CS/AS Recoveries	
					CS 37Cl-2378-TCDD	85.9	

SGS
5500 Business Drive
Wilmington, NC 28405, USA
www.us.sgs.com
Tel: +1 910 794-1613; Toll-Free 866 846-8290

Sample ID: Method Blank A8429_13801

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	Prism Laboratories, Inc.	Matrix:	Aqueous	Lab Project ID:	A8429	Date Received:	n/a
Project ID:	5110423	Weight/Volume:	1.00 L	Lab Sample ID	MB1_13801_DF_TLX	Date Extracted:	03-Dec-2015
Date Collected:	n/a	pH:	n/a	QC Batch No:	13801	Date Analyzed:	09-Dec-2015
		Split:	-	Dilution:	-	Time Analyzed:	14:48:00

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers
2378-TCDD	ND	0.598		
Totals				

Standard	ES Recoveries	Qualifiers
ES 2378-TCDD	80.7	

Standard	CS/AS Recoveries	
CS 37Cl-2378-TCDD	82.2	

5500 Business Drive
Wilmington, NC 28405, USA
www.us.sgs.com
Tel: +1 910 794-1613, Toll-Free 866 846-8290

METHOD 1613B	PCDD/F ONGOING PRECISION AND RECOVERY (OPR)		FORM 8A
Lab Name:	SGS Environmental Services		
Initial Calibration:	ICAL: MM3_DF_03022015_13AUG2015		
Instrument ID:	MM3	GC Column ID:	ZB-5ms
VER Data Filename:	151209R03	Analysis Date:	09-DEC-2015 13:00:54
Lab ID:	OPR1_13801_DF		

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	10	9.77	6.7 - 15.8	Y

Contract-required concentration limits for OPR as specified in Table 6
Method 1613. 10/94

Processed: 10 Dec 2015 10:30 Analyst: AL

METHOD 1613B | PCDD/F ONGOING PRECISION AND RECOVERY (OPR) | FORM 8B

Lab Name:	SGS Environmental Services		
Initial Calibration:	ICAL: MM3_DF_03072015_13AUG2015		
Instrument ID:	MM3	GC Column ID	ZB-5ms
VER Data Filename:	151209R03	Analysis Date	09-DEC-2015 13:00:54
Lab ID:	OPR1_13801_DF		

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	81.1	20	-	175	Y

CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	33.8	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6, Method 1613. 10/94

Processed: 10 Dec 2015 10:30 Analyst: AL

Sample Receipt Notification

5500 Business Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*24-Nov-15 at 10:58*
AP Project name:	*A8429*
Requested TAT:	*14 days*
Projected due date:	*15-Dec-15*
Matrix:	*Water*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Robbi Jones*
Company:	*Prism Laboratories, Inc.*
Project Name & Site:	*5110423*
Project PO#:	*N/A*
QAAP/Contract #:	*N/A*
Requested Analysis:	*Method 1613B 2378 TCDD only*
Phone#:	*800-529-6364*
Email Address:	*rjones@prismlabs.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Size	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
MW-12A	A8429_001	5110423-01	2	1 L AMBER	19-Nov-15	08:53	0.2	1	775043270127

Preservation Type: **Sample Seals:** No

Notes/Comments:

Samples received intact

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Phantasha Kearney *Logged in by: Barbara Hager*

QC'ed by: AK 2 Dec 15

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: http://www.sgs.com/terms_and_conditions.htm

Sub to SGS on Mon. 11/23
Ship Standard Overnight

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

A8429

SUBCONTRACT ORDER

Prism Laboratories, Inc.

5110423

Certification: NELAC___ USACE___
NC_✓_ SC___ Other _____
N/A____

SENDING LABORATORY:

Prism Laboratories, Inc.
P. O. Box 240543
Charlotte, NC 28224-0543
Phone: 800-529-6364
Fax: 704-525-0409
Project Manager: Robbi A. Jones

RECEIVING LABORATORY:

SGS North America
5500 Business Drive
Wilmington, NC 28405
Phone :(910) 350-1903
Fax: NA

Analysis	Due	Expires	Laboratory ID	Comments
			MW-12A	
Sample ID: 5110423-01	Water	Sampled: 11/19/15 08:53		
1613B (Sub)		11/26/15 08:53		

Containers Supplied: 2 - 1 Liter Amber Glass Jars

Temp 0.2

Released By	Date	Received By	Date
[signature]	11/23/15	Fed Ex	11/23/15
Released By	Date	Received By	Date
Fed Ex	11/24/15	P. Kearney SGS	11/24/15
Released By	Date	Received By	Date
Released By	Date	Received By	Date

ATTACHMENT 2

Harmon Environmental, PA

615 Bruce Thomas Road
Monroe, North Carolina 28112

Phone and Fax: (704) 764-5694
www.harmonenvironmental.com

July 20, 2016

Mr. Stuart Kerkhoff
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina 28079

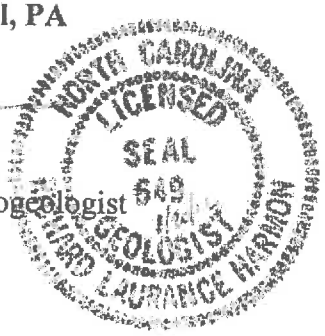
Re: ***Transmittal of July 2016 Groundwater Potentiometric Map and Velocity Calculations***
Radiator Specialty Company
Indian Trail, North Carolina
Facility I.D. No. NCD 091 245 969
Project No. 303-02

Dear Mr. Kerkhoff:

Attached please find seven copies of the groundwater potentiometric map and velocity calculations generated based on water levels collected by Radiator Specialty Company personnel on July 13, 2016.

Please call if you have any questions or require any additional information.

Sincerely,
Harmon Environmental, PA



Richard L. Harmon, P.G.
President/Principal Hydrogeologist

Attachments

Harmon Environmental, PA

615 Bruce Thomas Road
Monroe, North Carolina 28112

Phone and Fax: (704) 764-5694
www.harmonenvironmental.com

Shallow Horizontal Groundwater Velocity Calculations
October 2014
Radiator Specialty Company
Indian Trial, North Carolina

Assumptions:

1. *Horizontal component of Hydraulic Conductivity (K_h) = 0.28 feet per day (ft/d) (Based on the Aquifer Test Results Report, Prepared by Resolve Environmental Services, P.A., October 12, 1994)*
2. *Effective Porosity = Storativity (n_e = 0.3)*
3. *Horizontal Gradient as measured from Figure 1 (Attached)*

Equation: $V_h = \frac{K_h * dh/dl}{n_e}$

Where:
V_h = *Horizontal component of velocity presented in ft/d*
K_h = *Horizontal component of hydraulic conductivity presented in ft/d*
dh/dl = *horizontal gradient presented in feet per foot (ft/ft)*
n_e = *effective porosity*

---

1. $V_h = \frac{(0.28 \text{ ft/d}) * (30 \text{ ft}/160 \text{ ft})}{0.3} = 0.18 \text{ ft/d}$

---

2. $V_h = \frac{(0.28 \text{ ft/d}) * (20 \text{ ft}/160 \text{ ft})}{0.3} = 0.12 \text{ ft/d}$

---

3. $V_h = \frac{(0.28 \text{ ft/d}) * (30 \text{ ft}/330 \text{ ft})}{0.3} = 0.09 \text{ ft/d}$

---

4. $V_h = \frac{(0.28 \text{ ft/d}) * (20 \text{ ft}/130 \text{ ft})}{0.3} = 0.22 \text{ ft/d}$

---

5. $V_h = \frac{(0.28 \text{ ft/d}) * (6.60 \text{ ft}/80 \text{ ft})}{0.3} = 0.08 \text{ ft/d}$

6. $V_h = \frac{(0.28 \text{ ft/d}) * (6.60 \text{ ft}/50 \text{ ft})}{0.3} = 0.12 \text{ ft/d}$

---

7. $V_h = \frac{(0.28 \text{ ft/d}) * (6.60 \text{ ft}/200 \text{ ft})}{0.3} = 0.0.03 \text{ ft/d}$

---

8. $V_h = \frac{(0.28 \text{ ft/d}) * (50 \text{ ft}/30 \text{ ft})}{0.3} = 0.56 \text{ ft/d}$

---

9. $V_h = \frac{(0.28 \text{ ft/d}) * (40 \text{ ft}/160 \text{ ft})}{0.3} = 0.23 \text{ ft/d}$

---

10. $V_h = \frac{(0.28 \text{ ft/d}) * (2.30 \text{ ft}/250 \text{ ft})}{0.3} = 0.04 \text{ ft/d}$

ATTACHMENT 3

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
HISTORICAL WATER LEVEL ELEVATIONS

Well	Top of Casing	Screen Interval Elevation	10/18/10	10/24/11	10/29/12	10/29/13	10/27/14
ON-SITE WELLS							
BG-1	687.72	662.12 To 652.12	650.79	DRY	651.98	655.31	653.44
ETE-2A	680.76	634.26 To 629.26	634.51	635.10	640.03	652.61	649.85
MW-2B	679.05	500.05 To 490.05	644.52	640.55	641.74	658.53	656.03
MW-2D	680.51	205.51 To 195.51	649.35	647.68	649.60	654.64	652.35
MW-12	681.25	671.45 To 661.45	661.15	658.81	660.93	660.60	661.28
MW-12A	681.67	591.87 To 581.87	636.38	636.74	642.16	653.08	650.49
MW-13	683.11	673.31 To 663.31	DRY	DRY	DRY	661.27	DRY
MW-14	684.51	674.71 To 664.71	674.21	674.97	675.96	674.23	672.48
MW-15	691.09	672.09 To 662.09	DRY	DRY	DRY	DRY	DRY
WELLS NORTH OF THE FACILITY							
MW-11A	672.96	532.26 To 522.26	638.27	636.54	638.37	645.04	642.75
MW-17A	679.88	587.88 To 577.88	615.70	617.81	622.62	643.05	636.91
MW-23A	660.64	370.64 To 320.64	637.91	603.35	626.31	637.03	576.53
MW 24A	663.12	373.12 To 283.12	638.54	637.54	643.28	652.24	645.02
RW-4	661.21	636.21 To 161.21	582.41	581.21	584.17	607.64	593.56
HARRIS TEETER PROPERTY							
HT-1A	679.15	538.95 To 529.95	649.47	648.29	649.81	654.29	652.58
HT-2A	682.68	542.48 To 533.48	637.00	636.28	641.24	653.31	650.34
HT-4A	683.37	614.87 To 604.87	634.50	632.52	637.09	650.06	646.72
WELLS SOUTH OF THE FACILITY							
TB-2B	669.76	478.76 To 468.76	660.18	659.81	659.50	660.73	659.30
TB-3A	672.75	652.75 To 642.75	649.45	648.31	649.79	654.31	652.08
TB-4	671.06	656.06 To 641.06	657.20	664.87	662.14	660.55	660.61
EFFECTIVENESS MONITORING WELLS							
EM-4	680.17	483.17 To 417.17	616.33	619.05	623.75	642.06	635.82
EM-5	675.08	655.08 To 645.08	DRY	645.74	645.32	647.61	642.42
EM-7	659.37	641.37 To 631.37	643.76	649.50	647.64	648.54	647.27
EM-8	653.56	633.56 To 623.56	631.61	632.54	633.57	635.46	634.42
EM-9	653.56	456.56 To 431.56	631.23	632.94	633.60	635.69	634.65

The historical water level elevations presented in this Table start with the first Annual Groundwater Sampling Event after Radiator Specialty Company's RCRA Part B Post-Closure Permit was renewed on July 7, 2010. For historical water level elevations prior to October 18, 2010, please see Radiator Specialty Company Annual Groundwater Quality Monitoring Report 2009 dated March 18, 2010.

MW-14 Groundwater Elevation on 10/29/12 has been corrected for the presence of NAPL.
MW-14 Groundwater Elevation on 10/29/13 has been corrected for the presence of NAPL.
MW-14 Groundwater Elevation on 10/27/14 has been corrected for the presence of NAPL.

RADIATOR SPECIALTY COMPANY
INDIAN TRAIL, NORTH CAROLINA
HISTORICAL WATER LEVEL ELEVATIONS

Well	Top of Casing	Screen Interval Elevation	7/13/2016
ON-SITE WELLS			
BG-1	687.72	662.12 To 652.12	656.36
ETE-2A	680.76	634.26 To 629.26	642.58
MW-2B	679.05	500.05 To 490.05	653.81
MW-2D	680.51	205.51 To 195.51	655.80
MW-12	681.25	671.45 To 661.45	DRY
MW-12A	681.67	591.87 To 581.87	646.25
MW-13	683.11	673.31 To 663.31	DRY
MW-14	684.51	674.71 To 664.71	674.88
MW-15	691.09	672.09 To 662.09	DRY
WELLS NORTH OF THE FACILITY			
MW-11A	672.96	532.26 To 522.26	644.15
MW-17A	679.88	587.88 To 577.88	637.85
MW-23A	660.64	370.64 To 320.64	629.02
MW-24A	663.12	373.12 To 283.12	648.57
RW-4	661.21	636.21 To 161.21	586.79
HARRIS TEETER PROPERTY			
HT-1A	679.15	538.95 To 529.95	655.75
HT-2A	682.68	542.48 To 533.48	647.76
HT-4A	683.37	614.87 To 604.87	646.89
WELLS SOUTH OF THE FACILITY			
TB-2B	669.76	478.76 To 468.76	660.54
TB-3A	672.75	652.75 To 642.75	655.40
TB-4	671.06	656.06 To 641.06	660.47
EFFECTIVENESS MONITORING WELLS			
EM-4	680.17	483.17 To 417.17	636.53
EM-5	675.08	655.08 To 645.08	642.46
EM-7	659.37	641.37 To 631.37	644.73
EM-8	653.56	633.56 To 623.56	634.22
EM-9	653.56	456.56 To 431.56	634.23

The historical water level elevations presented in this Table start with the first Annual Groundwater Sampling Event after Radiator Specialty Company's RCRA Part B Post-Closure Permit was renewed on July 7, 2010. For historical water level elevations prior to October 18, 2010, please see Radiator Specialty Company Annual Groundwater Quality Monitoring Report 2009 dated March 18, 2010.

MW-14 Groundwater Elevation on 7/13/16 has been corrected for the presence of NAPL.

ATTACHMENT 4

Graphical Presentation Volatile Organic Compounds
In Historic Groundwater Data

Radiator Specialty Company
Indian Trail, North Carolina
Facility ID No. NCD 091 245 969

The attached graphs depicting the total volatile organic compound (VOC) concentrations detected in historic groundwater samples collected from select monitor wells in the Radiator Specialty Company monitor well network were prepared by Radiator Specialty Company.

These figures have been generated based on the combined total concentration of VOCs detected in the represented groundwater samples. For graphing purposes, constituents reported to have concentrations below the method detection limit were considered to not be present. Further, only the constituents targeted by the required VOC analytical method were included in these figures.

In May 2012, the DENR requested Radiator Specialty Company to report the constituent 1,4-Dioxane down to a limit of three (3) micrograms/Liter (ug/L). Prior to the October 2012 Groundwater Sampling Event, 1,4-Dioxane was reported down to a limit of one hundred and fifty (150) ug/L. Therefore, with 1,4-Dioxane being reported down to a limit of three (3) ug/L, some of the total VOC concentrations depicted in the graphs have increased.

These figures may assist in evaluating the total VOCs concentration gradients of historic data associated with specific monitor wells on-site. For specific constituent concentrations, please refer to the analytical data.

Graphical Presentation Volatile Organic Compounds
In Historic Groundwater Data

Radiator Specialty Company

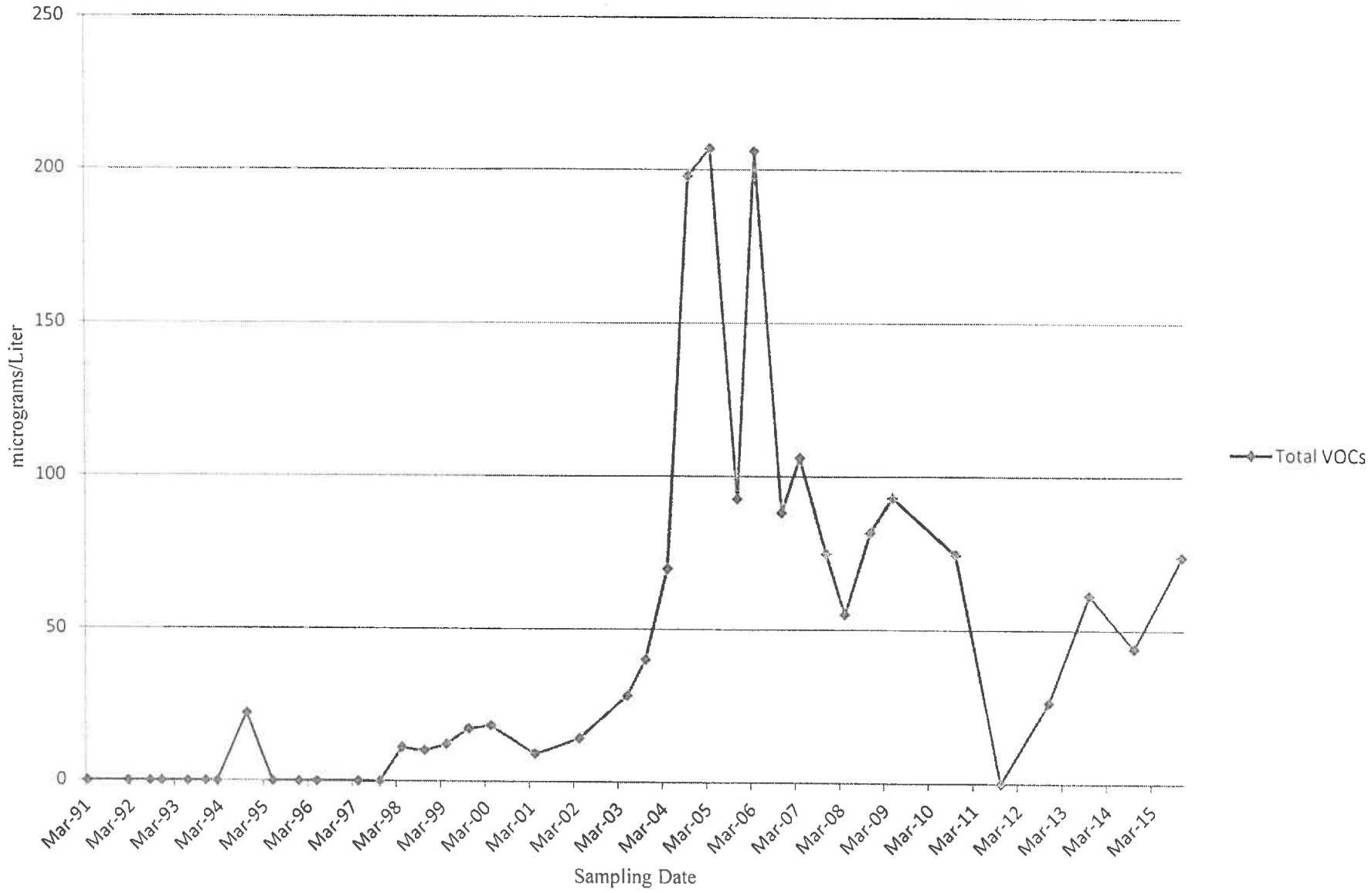
Indian Trail, North Carolina

Facility ID No. NCD 091 245 969

The detection limit for 1,4-Dioxane was lowered from 150 ug/L to 3 ug/L in May 2012 by the DENR. Due to the lower detection limit, 1,4-Dioxane was found to be present in the following wells in the October 2015 Sampling Event.

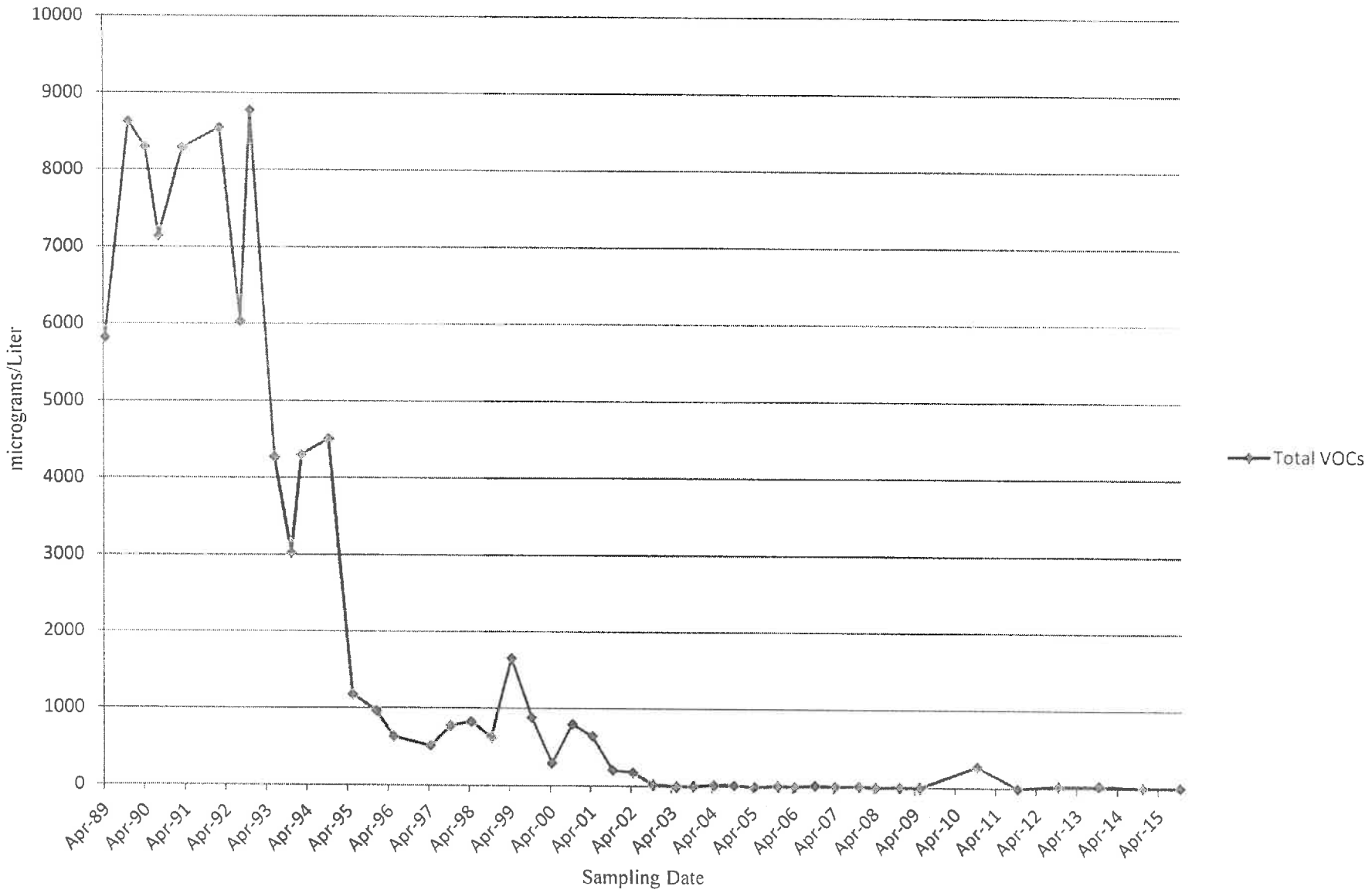
BG-1
EM-4
EM-8
EM-9
ETE-2A
HT-2A
HT-4A
RW-4

Attachment 4
Background Monitor Well BG-1
Historical Total VOC Analytical Summary



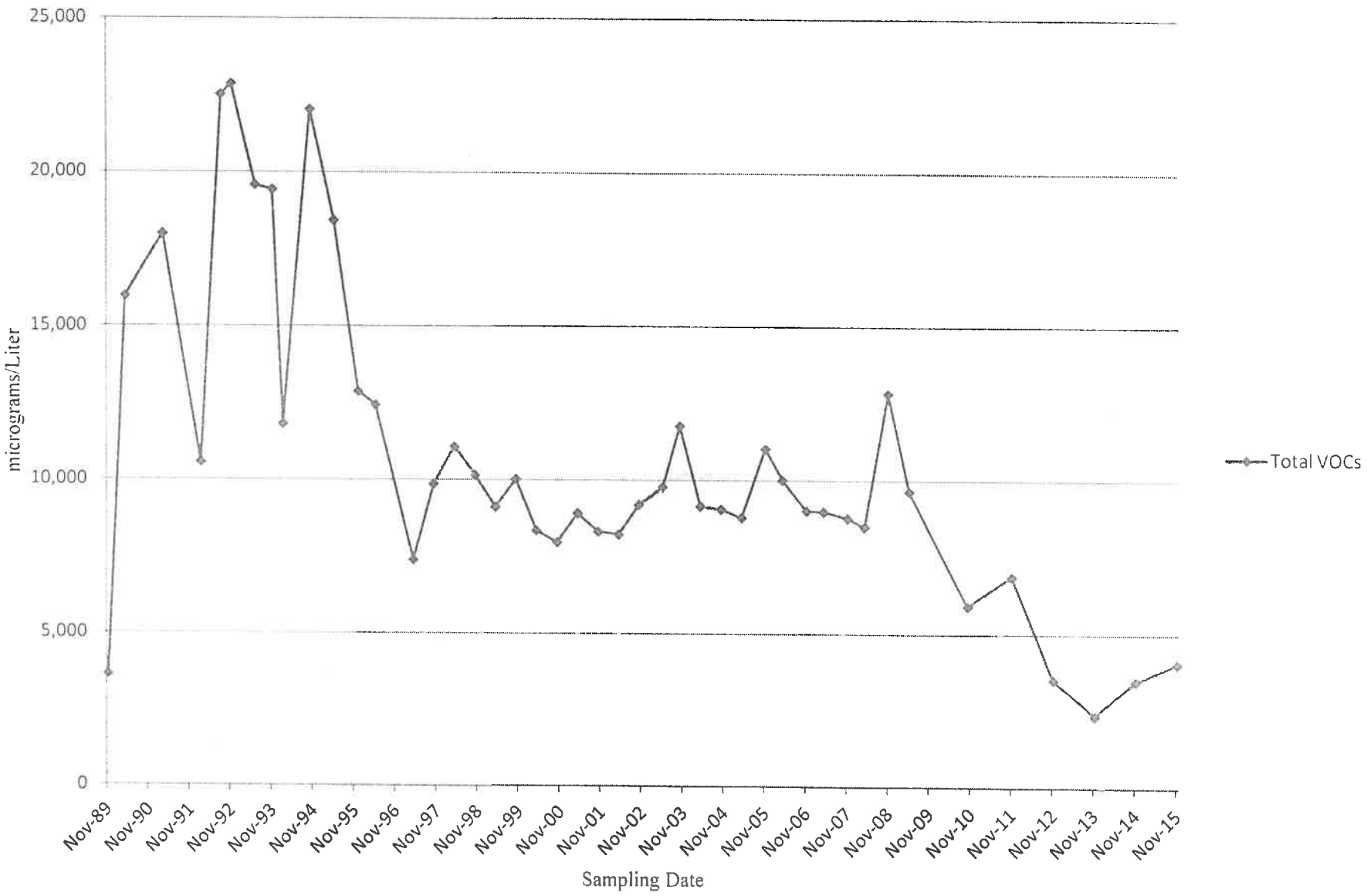
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Point of Compliance Well ETE-2A
Historical Total VOC Analytical Summary



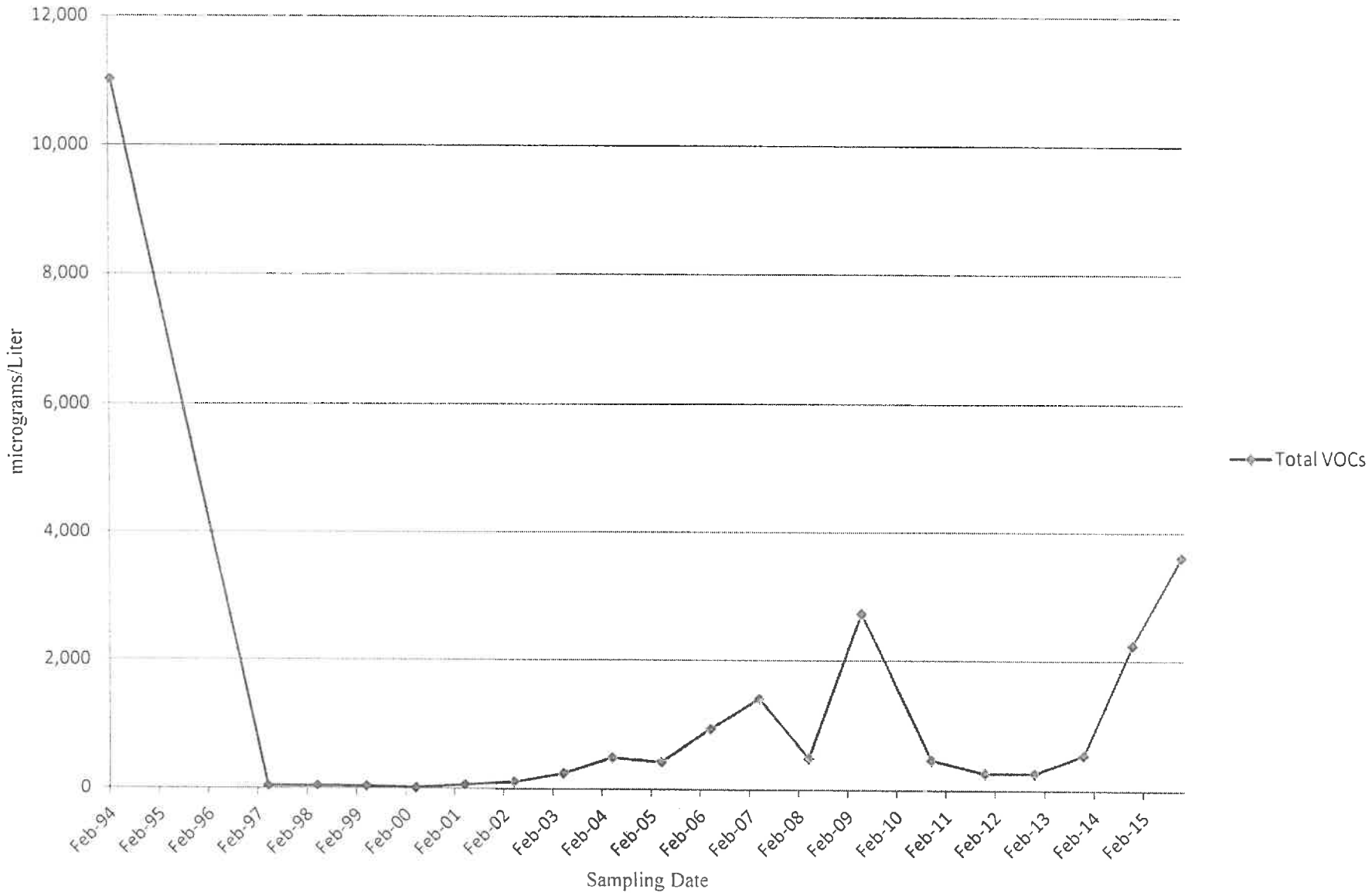
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Point of Compliance Well MW-2B
Historical Total VOC Analytical Summary



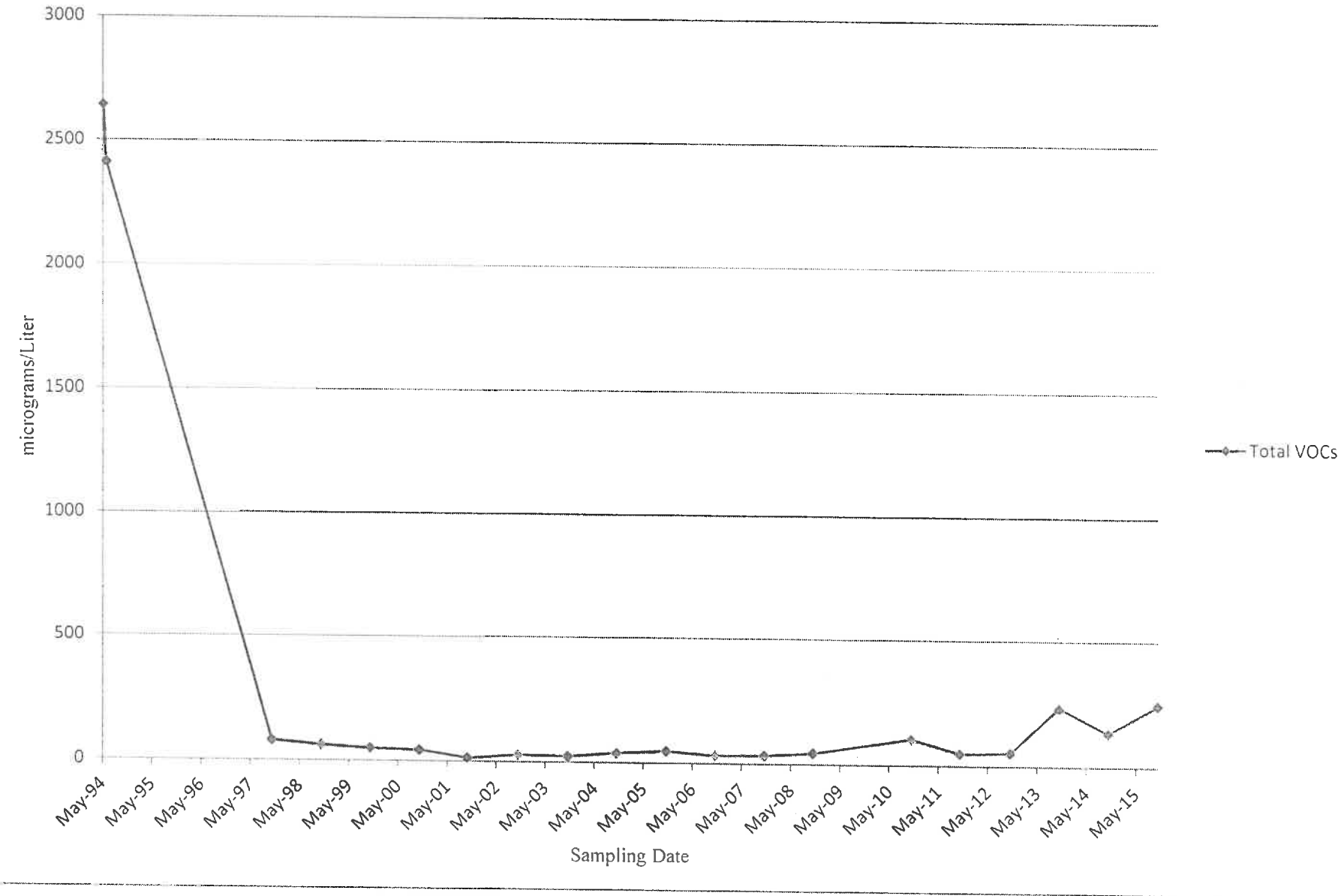
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Monitor Well MW-17A
Historical Total VOC Analytical Summary



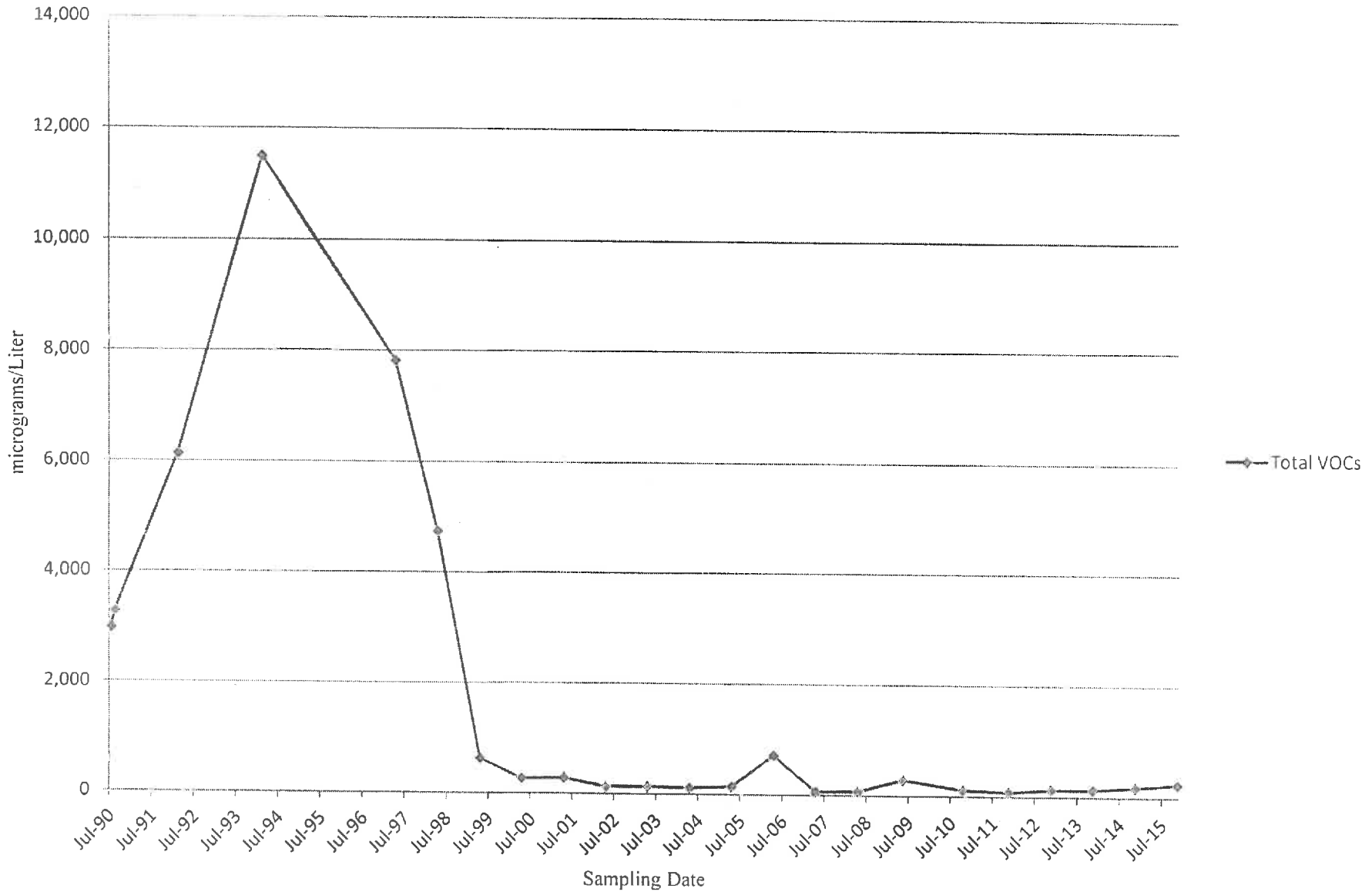
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Recovery Well RW-4
Historical Total VOC Analytical Summary



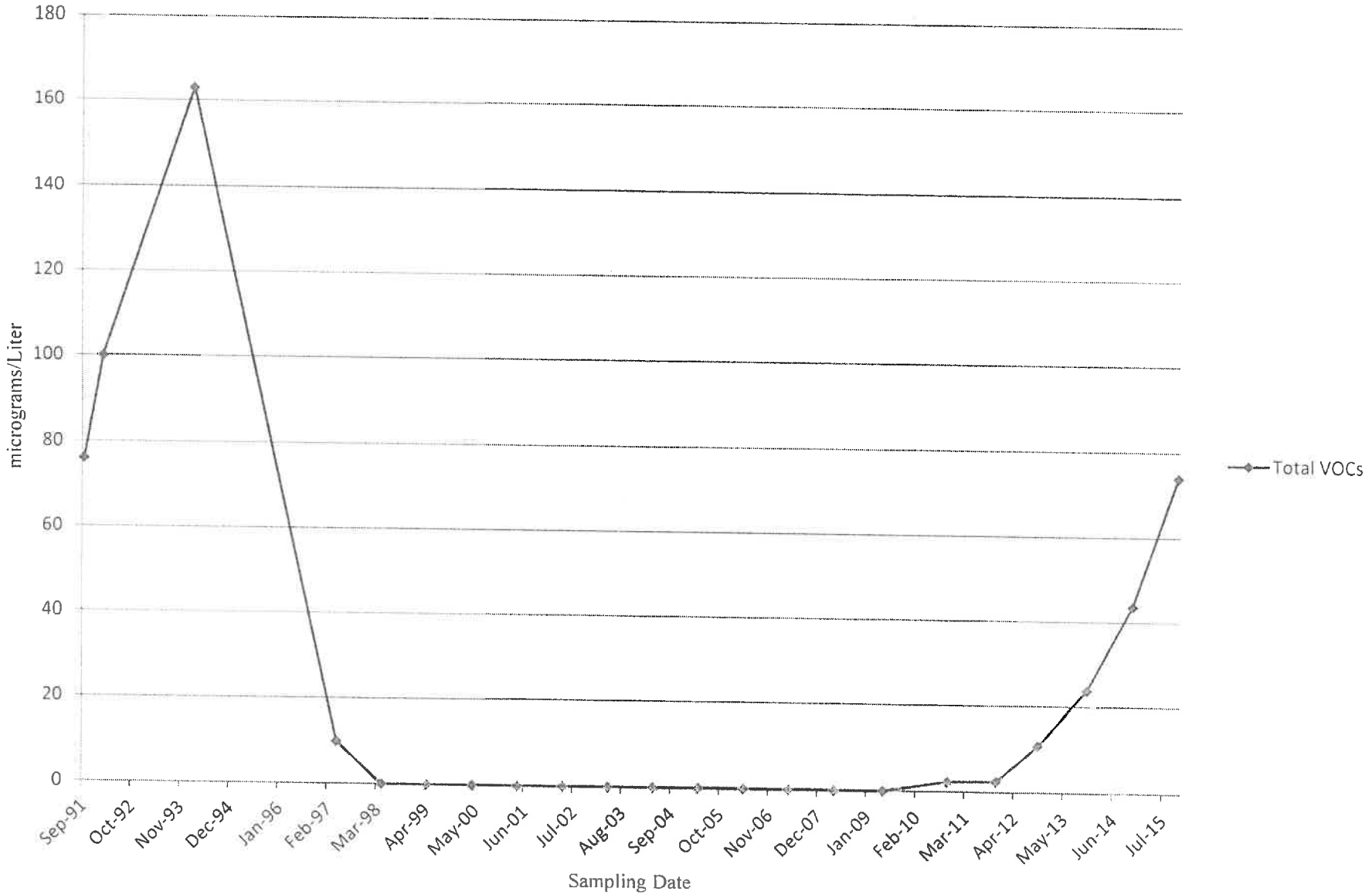
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Monitor Well HT-2A
Historical Total VOC Analytical Summary



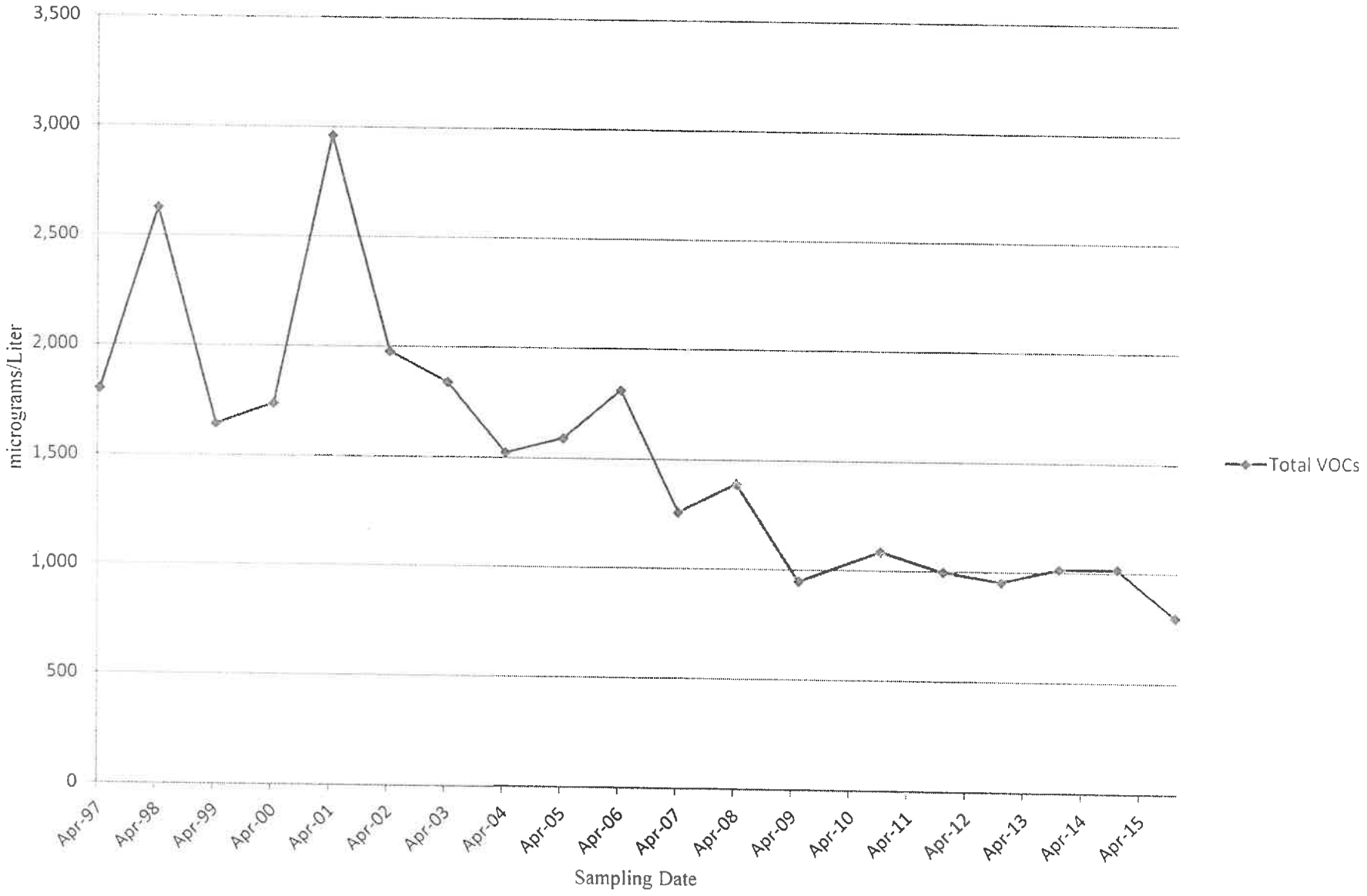
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Monitor Well HT-4A
Historical Total VOC Analytical Summary



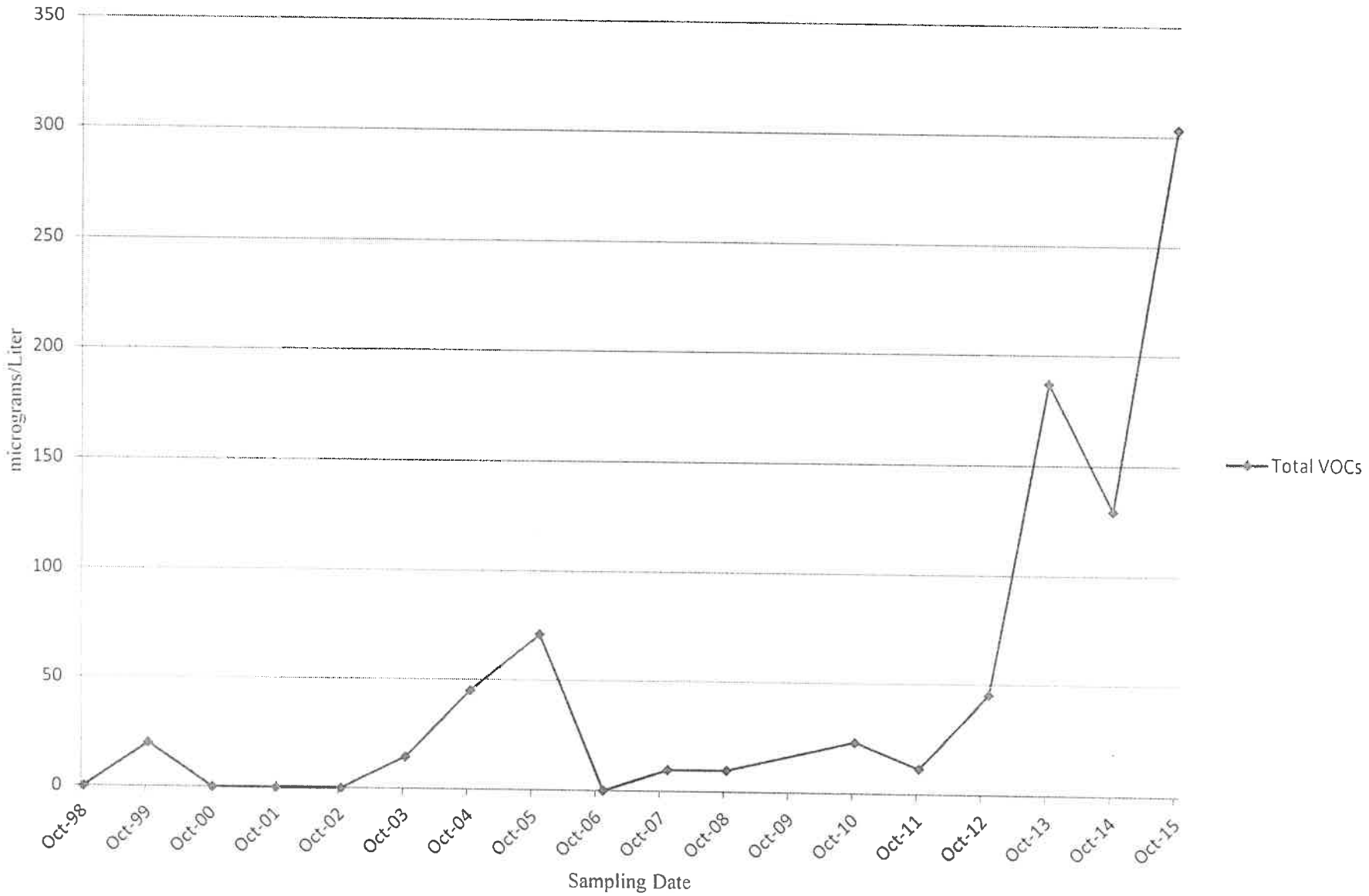
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Monitor Well TB-3A
Historical Total VOC Analytical Summary



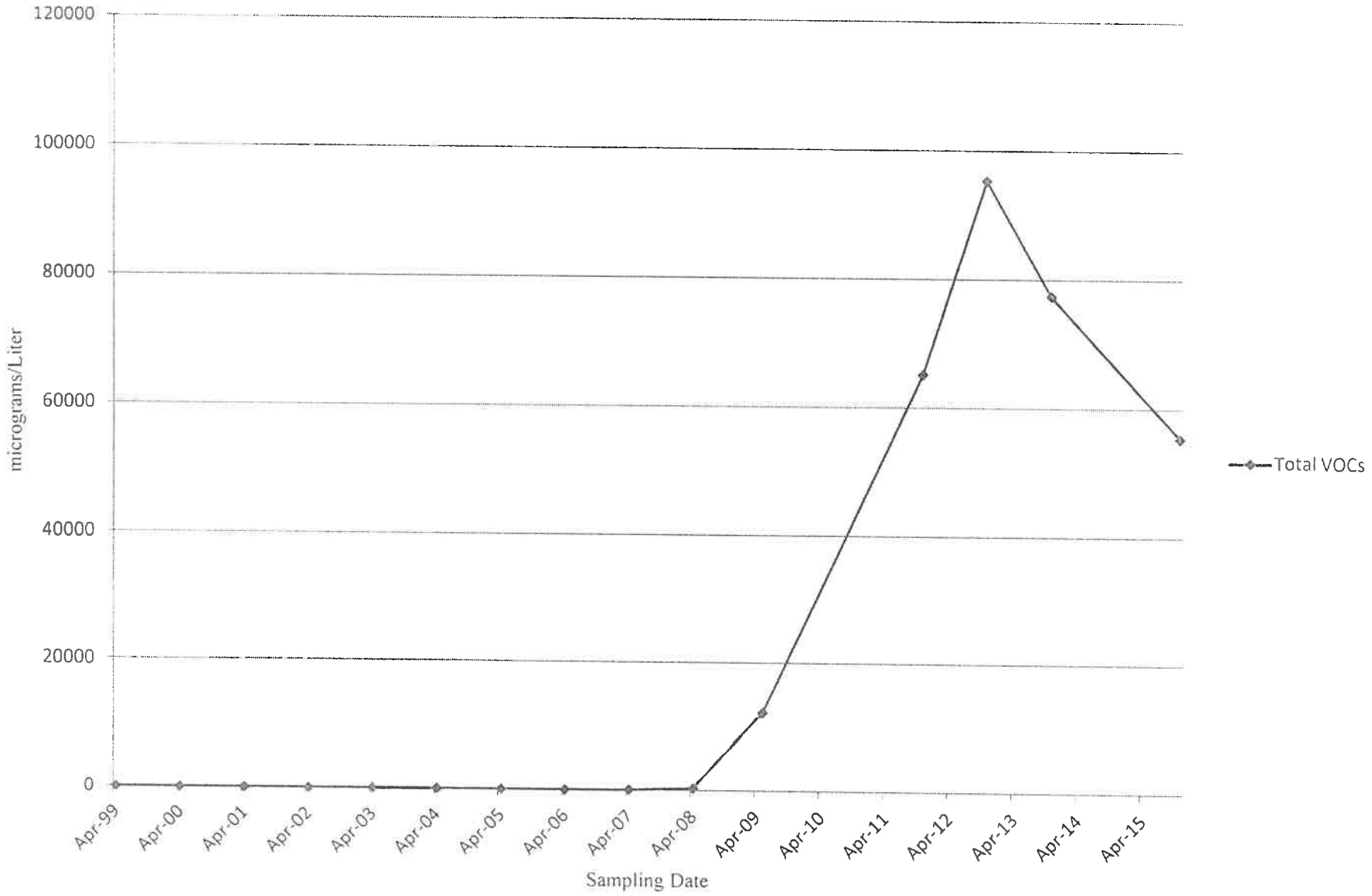
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Effectiveness Monitor Well EM-4
Historical Total VOC Analytical Summary



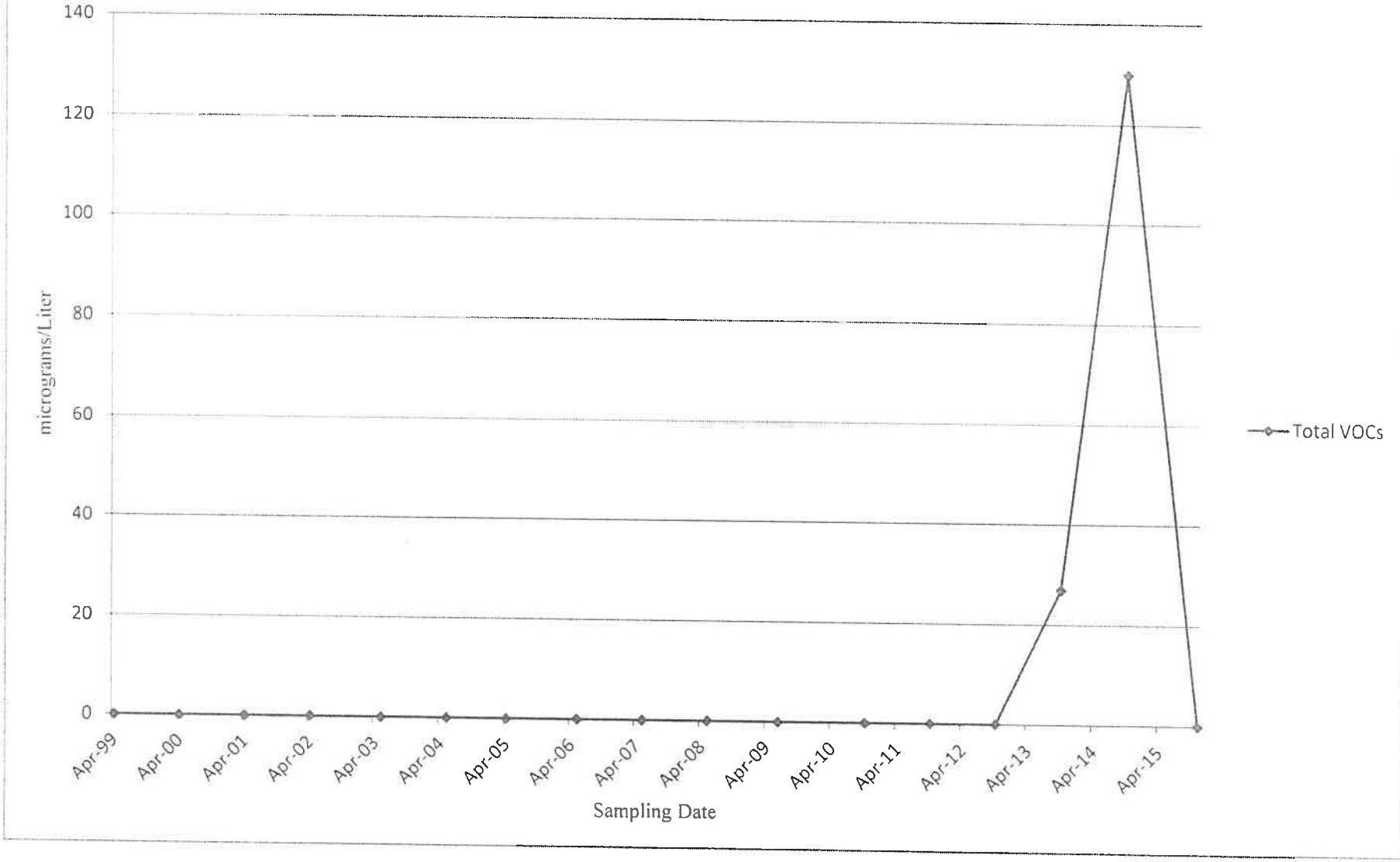
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Effectiveness Monitor Well EM-5
Historical Total VOC Analytical Summary



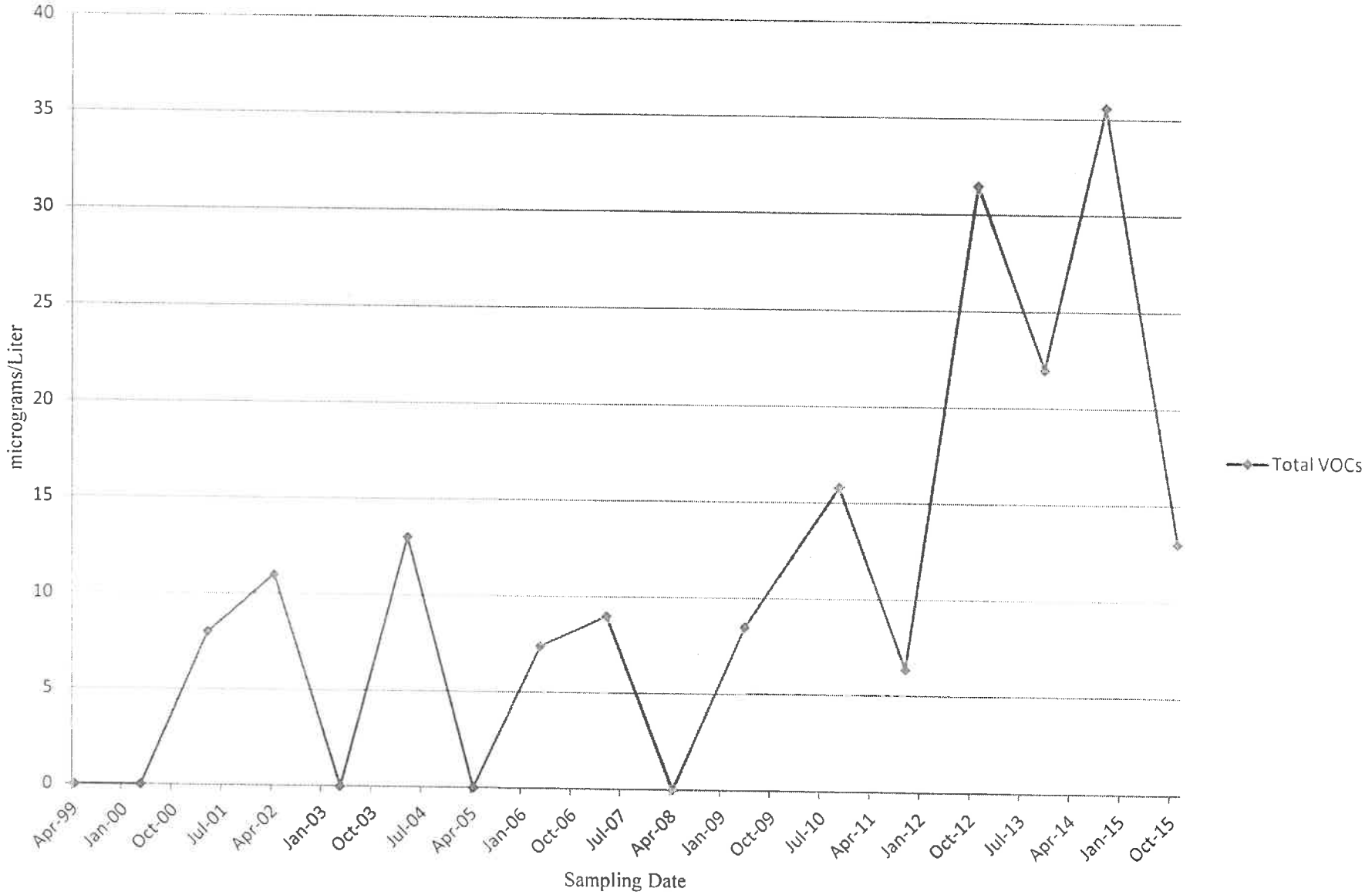
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Effectiveness Monitor Well EM-7
Historical Total VOC Analytical Summary



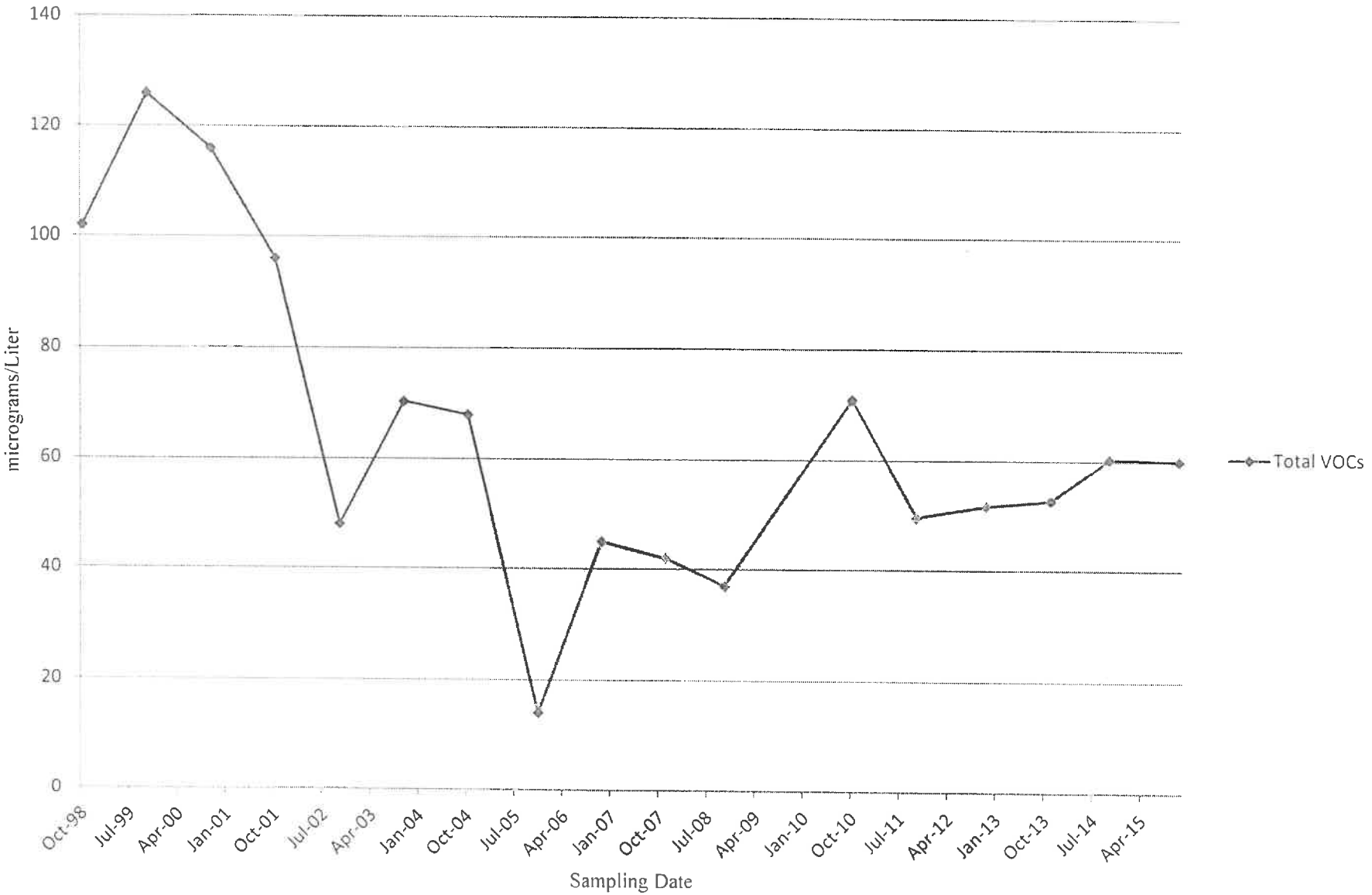
Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Effectiveness Monitor Well EM-8
Historical Total VOC Analytical Summary



Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

Attachment 4
Effectiveness Monitor Well EM-9
Historical Total VOC Analytical Summary



Radiator Specialty Company
600 Radiator Road
Indian Trail, North Carolina

ATTACHMENT 5

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH January YEAR 2015

FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union

CERTIFIED LABTORY (1) CERTIFICATION NO.

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-I CERTIFICATION NO. 993806

PERSON(S) COLLECTING SAMPLES ORC PHONE (704) 684-1815

CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ■

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 2/25/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	85811 Chloroethane	34496 1,1-Dichloroethane	34501 1,1-Dichloroethene	77093 cis-1,2-Dichloroethene	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39180 Trichloroethene	34030 Benzene	34423 Methylene Chloride	32103 1,2-Dichloroethane	34010 Toluene	39175 Vinyl chloride	TGP3B Chronic Toxicity
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	P/F
1			H	0.0000														
2	14:30	1	Y	0.0000														
3				0.0000														
4				0.0000														
5	14:30	1	Y	0.0000														
6	14:30	1	Y	0.0000														
7	14:30	1	Y	0.0000														
8	14:30	1	Y	0.0000														
9	12:20	1	Y	0.0000														
10				0.0000														
11				0.0000														
12	14:30	1	Y	0.0000														
13	14:30	1	Y	0.0000														
:	14:30	1	Y	0.0000														
15	14:30	1	Y	0.0000														
16	8:25	1	Y	0.0000														
17				0.0000														
18				0.0000														
19	14:30	1	Y	0.0000														
20	14:30	1	Y	0.0000														
21	14:30	1	Y	0.0000														
22	14:30	1	Y	0.0000														
23	8:20	1	Y	0.0000														
24				0.0000														
25				0.0000														
26	14:30	1	Y	0.0000														
27	9:30	1	Y	0.0000														
28	14:30	1	Y	0.0000														
29	14:30	1	Y	0.0000														
30	14:30	1	Y	0.0000														
31				0.0000														
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)				■														
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) [X] Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements [ ] Noncompliant

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

If the facility is noncompliant, please attach a list of corrective actions being taken and a time-table for improvements to be made as required by Part II.E.6 of the NPDES permit.

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 2/25/15
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079.	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) _____ Certification No. _____

Certified Laboratory (3) _____ Certification No. _____

Certified Laboratory (4) _____ Certification No. _____

Certified Laboratory (5) _____ Certification No. _____

PARAMETER CODES

Parameter Code assistance may be obtained by calling the NPDES Unit at (919) 733-5083 or by visiting the Surface Water Protection Section's web site at h2o.enr.state.nc.us/wqs and linking to the unit's information pages.

Use only units of measurement designated in the reporting facility's NPDES permit for reporting data.

* **No Flow/Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data to be entered for all of the parameters on the DMR for the entire monitoring period.

** **ORC On Site?:** ORC must visit facility and document visitation of facility as required per 15A NCAC 8G .0204.

*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH February YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) CERTIFICATION NO.
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ■

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 3/31/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39175 Vinyl chloride	82388 1,4-Dioxane									
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L									
1				0.0000														
2	14:30	1	Y	0.0000														
3	14:30	1	Y	0.0000														
4	14:30	1	Y	0.0000														
5	14:30	1	Y	0.0000														
6	9:00	1	Y	0.0000														
7				0.0000														
8				0.0000														
9	14:30	1	Y	0.0000														
10	14:30	1	Y	0.0000														
11	14:30	1	Y	0.0000														
12	14:30	1	Y	0.0000														
13	8:15	1	Y	0.0000														
14				0.0000														
15				0.0000														
16	14:30	1	Y	0.0000														
17	14:30	1	Y	0.0000														
18	14:30	1	Y	0.0000														
19	14:30	1	Y	0.0000														
20	13:25	1	Y	0.0000														
21				0.0000														
22				0.0000														
23	14:30	1	Y	0.0000														
24	14:30	1	Y	0.0000														
25	14:30	1	Y	0.0000														
26	14:30	1	Y	0.0000														
27	16:50	1	Y	0.0000														
28				0.0000														
29																		
30																		
31																		
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)				■														
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) ■ Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements ☐ Noncompliant

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"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 3/31/15
Signature of Permittee*** Date
(Required unless submitted electronically)

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Permittee Address	Phone Number	e-mail address	Permit Expiration Date

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Certified Laboratory (2) _____ Certification No. _____
Certified Laboratory (3) _____ Certification No. _____
Certified Laboratory (4) _____ Certification No. _____
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PARAMETER CODES

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EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH March YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) _____ CERTIFICATION NO. _____
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES _____ ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ■

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 4/29/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ■ INF ☐ DAILY RATE	00530 Total Suspended Solids	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39175 Vinyl chloride	82388 1,4-Dioxane									
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L									
1				0.0000														
2	14:30	1	Y	0.0000														
3	14:30	1	Y	0.0000														
4	14:30	1	Y	0.0000														
5	14:30	1	Y	0.0000														
6	11:35	1	Y	0.0000														
7				0.0000														
8				0.0000														
9	14:30	1	Y	0.0000														
10	14:30	1	Y	0.0000														
11	14:30	1	Y	0.0000														
12	14:30	1	Y	0.0000														
13	13:15	1	Y	0.0000														
14				0.0000														
15				0.0000														
16	14:30	1	Y	0.0000														
17	14:30	1	Y	0.0000														
18	14:30	1	Y	0.0000														
19	14:30	1	Y	0.0000														
20	10:15	1	Y	0.0000														
21				0.0000														
22				0.0000														
23	14:30	1	Y	0.0000														
24	14:30	1	Y	0.0000														
25	14:30	1	Y	0.0000														
26	14:30	1	Y	0.0000														
27	10:40	1	Y	0.0000														
28				0.0000														
29				0.0000														
30	14:30	1	Y	0.0000														
31	14:30	1	Y	0.0000														
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)				■														
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) ■ Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements ☐ Noncompliant

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Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 4/29/15
Signature of Permittee*** Date
(Required unless submitted electronically)

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Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) _____ Certification No. _____
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Certified Laboratory (4) _____ Certification No. _____
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EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH April YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) CERTIFICATION NO.
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ■

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RALEIGH, NC 27699-1617

x Stuart Kerkhoff 5/29/15
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	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	P / F
1	14:30	1	Y	0.0000														
2	15:35	1	Y	0.0000														
3			H	0.0000														
4				0.0000														
5				0.0000														
6	8:55	1	B	0.0000														
7	14:30	1	Y	0.0000														
8	14:30	1	Y	0.0000														
9	14:30	1	Y	0.0000														
10	14:30	1	Y	0.0000														
11				0.0000														
12				0.0000														
13	14:30	1	Y	0.0000														
14	14:30	1	Y	0.0000														
15	14:30	1	Y	0.0000														
16	14:30	1	Y	0.0000														
17	11:15	1	Y	0.0000														
18				0.0000														
19				0.0000														
20	14:30	1	Y	0.0000														
21	14:30	1	Y	0.0000														
22	14:30	1	Y	0.0000														
23	14:30	1	Y	0.0000														
24	9:15	1	Y	0.0000														
25				0.0000														
26				0.0000														
27	14:30	1	Y	0.0000														
28	14:30	1	Y	0.0000														
29	14:30	1	Y	0.0000														
30	14:30	1	Y	0.0000														
31				0.0000														
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)				■														
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

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Stuart Kerkhoff 5/29/15
Signature of Permittee*** Date
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Permittee Address	Phone Number	e-mail address	Permit Expiration Date

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Certified Laboratory (2) _____ Certification No. _____
Certified Laboratory (3) _____ Certification No. _____
Certified Laboratory (4) _____ Certification No. _____
Certified Laboratory (5) _____ Certification No. _____

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EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH May YEAR 2015

FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union

CERTIFIED LABTORY (1) _____ CERTIFICATION NO. _____

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE_PC-1 CERTIFICATION NO. 993806

PERSON(S) COLLECTING SAMPLES _____ ORC PHONE (704) 684-1815

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	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L									
1	8:05	1	Y	0.0000														
2				0.0000														
3				0.0000														
4	14:30	1	Y	0.0000														
5	14:30	1	Y	0.0000														
6	14:30	1	Y	0.0000														
7	14:30	1	Y	0.0000														
8	9:15	1	Y	0.0000														
9				0.0000														
10				0.0000														
11	14:30	1	Y	0.0000														
12	14:30	1	Y	0.0000														
13	14:30	1	Y	0.0000														
14	14:30	1	Y	0.0000														
15	7:55	1	Y	0.0000														
16				0.0000														
17				0.0000														
18	14:30	1	Y	0.0000														
19	14:30	1	Y	0.0000														
20	14:30	1	Y	0.0000														
21	14:30	1	Y	0.0000														
22	8:30	1	Y	0.0000														
23				0.0000														
24				0.0000														
25			H	0.0000														
26	14:30	1	Y	0.0000														
27	14:30	1	Y	0.0000														
28	14:30	1	Y	0.0000														
29	7:55	1	Y	0.0000														
30				0.0000														
31				0.0000														
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)				■														
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

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Permittee (Please print or type)

Stuart Kerkhoff 6/23/15
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(Required unless submitted electronically)

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Permittee Address	Phone Number	e-mail address	Permit Expiration Date

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*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH June YEAR 2015

FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union

CERTIFIED LABTORY (1) _____ CERTIFICATION NO. _____

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806

PERSON(S) COLLECTING SAMPLES _____ ORC PHONE (704) 684-1815

CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ■

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 7/30/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39175 Vinyl chloride	82388 1,4-Dioxane										
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L										
1	14:30	1	Y	0.0000															
2	14:30	1	Y	0.0000															
3	14:30	1	Y	0.0000															
4	14:30	1	Y	0.0000															
5	8:55	1	Y	0.0000															
6				0.0000															
7				0.0000															
8	14:30	1	Y	0.0000															
9	14:30	1	Y	0.0000															
10	14:30	1	Y	0.0000															
11	14:30	1	Y	0.0000															
12	9:30	1	Y	0.0000															
13				0.0000															
14				0.0000															
15	14:30	1	Y	0.0000															
16	14:30	1	Y	0.0000															
17	14:30	1	Y	0.0000															
18	14:30	1	Y	0.0000															
19	7:45	1	Y	0.0000															
20				0.0000															
21				0.0000															
22	14:30	1	Y	0.0000															
23	14:30	1	Y	0.0000															
24	8:15	1	Y	0.0000															
25	14:30	1	Y	0.0000															
26	14:30	1	Y	0.0000															
27				0.0000															
28				0.0000															
29	14:30	1	Y	0.0000															
30	14:30	1	Y	0.0000															
31																			
AVERAGE				0.0000															
MAXIMUM				0.0000															
MINIMUM				0.0000															
Comp. (C) / Grab (G)				■															
Monthly Limit				0.09	30.0														

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) ☒ Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements ☐ Noncompliant

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

If the facility is noncompliant, please attach a list of corrective actions being taken and a time-table for improvements to be made as required by Part II.E.6 of the NPDES permit.

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 7/30/15
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) _____ Certification No. _____
Certified Laboratory (3) _____ Certification No. _____
Certified Laboratory (4) _____ Certification No. _____
Certified Laboratory (5) _____ Certification No. _____

PARAMETER CODES

Parameter Code assistance may be obtained by calling the NPDES Unit at (919) 733-5083 or by visiting the Surface Water Protection Section's web site at h2o.enr.state.nc.us/wqs and linking to the unit's information pages.

Use only units of measurement designated in the reporting facility's NPDES permit for reporting data.

* **No Flow/Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data to be entered for all of the parameters on the DMR for the entire monitoring period.

** **ORC On Site?:** ORC must visit facility and document visitation of facility as required per 15A NCAC 8G .0204.

*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH July YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) CERTIFICATION NO.
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ☐

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 8/31/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☐ INF ☐ DAILY RATE	00530 Total Suspended Solids	85811 Chloroethane	34496 1,1-Dichloroethane	34501 1,1-Dichloroethene	77093 cis-1,2-Dichloroethene	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39180 Trichloroethene	34030 Benzene	34423 Methylene Chloride	32103 1,2-Dichloroethane	34010 Toluene	39175 Vinyl chloride	TGP3B Chronic Toxicity
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	P / F
1	14:30	1	Y	0.0000														
2	12:45	1	Y	0.0000														
3			H	0.0000														
4				0.0000														
5				0.0000														
6	14:30	1	Y	0.0000														
7	14:30	1	Y	0.0000														
8	14:30	1	Y	0.0000														
9	14:30	1	Y	0.0000														
10	8:20	1	Y	0.0000														
11				0.0000														
12				0.0000														
13	8:15	1	B	0.0000														
14	14:30	1	Y	0.0000														
15	14:30	1	Y	0.0000														
16	14:30	1	Y	0.0000														
17	14:30	1	Y	0.0000														
18				0.0000														
19				0.0000														
20	14:30	1	Y	0.0000														
21	14:30	1	Y	0.0000														
22	8:45	1	Y	0.0000														
23	14:30	1	Y	0.0000														
24	14:30	1	Y	0.0000														
25				0.0000														
26				0.0000														
27	14:30	1	Y	0.0000														
28	14:30	1	Y	0.0000														
29	14:30	1	Y	0.0000														
30	7:20	1	Y	0.0000														
31	14:30	1	Y	0.0000														
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)																		
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) [X] Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements [ ] Noncompliant

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

If the facility is noncompliant, please attach a list of corrective actions being taken and a time-table for improvements to be made as required by Part II.E.6 of the NPDES permit.

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee **(Please print or type)**

Stuart Kerkhoff 8/31/15
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) _____ Certification No. _____
Certified Laboratory (3) _____ Certification No. _____
Certified Laboratory (4) _____ Certification No. _____
Certified Laboratory (5) _____ Certification No. _____

PARAMETER CODES

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** **ORC On Site?:** ORC must visit facility and document visitation of facility as required per 15A NCAC 8G .0204.

*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH August YEAR 2015

FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union

CERTIFIED LABTORY (1) _____ CERTIFICATION NO. _____

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806

PERSON(S) COLLECTING SAMPLES _____ ORC PHONE (704) 684-1815

CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ■

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 9/29/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39175 Vinyl chloride	82388 1,4-Dioxane									
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L									
1				0.0000														
2				0.0000														
3	14:30	1	Y	0.0000														
4	7:45	1	B	0.0000														
5	14:30	1	Y	0.0000														
6	14:30	1	Y	0.0000														
7	14:30	1	Y	0.0000														
8				0.0000														
9				0.0000														
10	14:30	1	Y	0.0000														
11	14:30	1	Y	0.0000														
12	14:30	1	Y	0.0000														
13	14:30	1	Y	0.0000														
14	8:25	1	Y	0.0000														
15				0.0000														
16				0.0000														
17	14:30	1	Y	0.0000														
18	14:30	1	Y	0.0000														
19	14:30	1	Y	0.0000														
20	14:30	1	Y	0.0000														
21	8:30	1	Y	0.0000														
22				0.0000														
23				0.0000														
24	14:30	1	Y	0.0000														
25	14:30	1	Y	0.0000														
26	14:30	1	Y	0.0000														
27	14:30	1	Y	0.0000														
28	8:00	1	Y	0.0000														
29				0.0000														
30				0.0000														
31	14:30	1	Y	0.0000														
AVERAGE				0.0000														
MAXIMUM				0.0000														
MINIMUM				0.0000														
Comp. (C) / Grab (G)				■														
Monthly Limit				0.09	30.0													

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) ■ Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements ☐ Noncompliant

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

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"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 9/29/15
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) _____ Certification No. _____

Certified Laboratory (3) _____ Certification No. _____

Certified Laboratory (4) _____ Certification No. _____

Certified Laboratory (5) _____ Certification No. _____

PARAMETER CODES

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*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH September YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) Prism Laboratories, Inc. CERTIFICATION NO. 402
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES Stuart Kerkhoff ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ☐

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 1/19/2016
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39175 Vinyl chloride	82388 1,4-Dioxane	TGP3B Chronic Toxicity	85811 Chloroethane	34496 1,1-Dichloroethane	34501 1,1-Dichloroethene	77093 cis-1,2-Dichloroethene	39180 Trichloroethene	34030 Benzene	34423 Methylene chloride	32103 1,2-Dichloroethane	34010 Toluene
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L	P / F	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	14:30	1	Y	0.0417															
2	14:30	1	Y	0.0405															
3	14:30	1	Y	0.0378															
4	7:55	1	Y	0.0232															
5				0.0525															
6				0.0378															
7	14:30	1	Y	0.0378															
8	11:35	1	Y	0.0323	<2.5	<3.0	<4.0	<2.0	<80	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
9	14:30	1	Y	0.0441															
10	14:30	1	Y	0.0394															
11	12:35	1	Y	0.0374															
12				0.0414															
13				0.0394															
14	14:30	1	Y	0.0394															
15	14:30	1	Y	0.0385															
16	14:30	1	Y	0.0385															
17	14:30	1	Y	0.0394															
18	8:35	1	Y	0.0294															
19				0.0484															
20				0.0384															
21	14:30	1	Y	0.0390															
22	14:30	1	Y	0.0384															
23	14:30	1	Y	0.0384															
24	14:30	1	Y	0.0384															
25	8:45	1	Y	0.0278															
26				0.0488															
27				0.0383															
28	14:30	1	Y	0.0389															
29	14:30	1	Y	0.0380															
30	14:30	1	Y	0.0387															
31																			
AVERAGE				0.0387															
MAXIMUM				0.0525															
MINIMUM				0.0232															
Comp. (C) / Grab (G)																			
Monthly Limit				0.09	30.0														

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) [X] Compliant

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Stuart Kerkhoff
Permittee **(Please print or type)**

Stuart Kerkhoff 1/19/2016
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2)	**Environmental Testing Solutions, Inc.**	Certification No.	**600**
Certified Laboratory (3)		Certification No.	
Certified Laboratory (4)		Certification No.	
Certified Laboratory (5)		Certification No.	

PARAMETER CODES

Parameter Code assistance may be obtained by calling the NPDES Unit at (919) 733-5083 or by visiting the Surface Water Protection Section's web site at h2o.enr.state.nc.us/wqs and linking to the unit's information pages.

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*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH October YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) Prism Laboratories, Inc. CERTIFICATION NO. 402
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES Stuart Kerkhoff ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ☐

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 11/30/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	85811 Chloroethane	34496 1,1-Dichloroethane	34501 1,1-Dichloroethene	77093 cis-1,2-Dichloroethene	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39180 Trichloroethene	34030 Benzene	34423 Methylene Chloride	32103 1,2-Dichloroethane	34010 Toluene	39175 Vinyl chloride	82388 1,4-Dioxane	TGP3B Chronic Toxicity
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	P / F
1	14:30	1	Y	0.0383															
2	9:30	1	Y	0.0300															
3				0.0466															
4				0.0383															
5	14:30	1	Y	0.0383															
6	14:30	1	Y	0.0383															
7	14:30	1	Y	0.0362															
8	14:30	1	Y	0.0369															
9	10:10	1	Y	0.0310															
10				0.0427															
11				0.0369															
12	14:30	1	Y	0.0374															
13	11:50	1	Y	0.0334	<2.6	<0.50	<0.50	<0.50	<0.50	<3.0	<4.0	<0.50	<0.50	<1.0	<0.50	<0.50	<2.0	<80	P
14	14:30	1	Y	0.0415															
15	14:30	1	Y	0.0376															
16	8:10	1	Y	0.0269															
17				0.0345															
18				0.0238															
19	14:30	1	Y	0.0368															
20	14:30	1	Y	0.0380															
21	14:30	1	Y	0.0373															
22	14:30	1	Y	0.0371															
23	9:40	1	Y	0.0279															
24				0.0462															
25				0.0371															
26	14:30	1	Y	0.0371															
27	14:30	1	Y	0.0000															
28	14:30	1	Y	0.0063															
29	9:50	1	Y	0.0000															
30	14:30	1	Y	0.0243															
31				0.0000															
AVERAGE				0.0315															
MAXIMUM				0.0466															
MINIMUM				0.0000															
Comp. (C) / Grab (G)																			
Monthly Limit				0.09	30.0														

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) [X] Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements [ ] Noncompliant

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

If the facility is noncompliant, please attach a list of corrective actions being taken and a time-table for improvements to be made as required by Part II.E.6 of the NPDES permit.

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 11/30/15
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) Environmental Testing Solutions, Inc. Certification No. 600
Certified Laboratory (3) _____ Certification No. _____
Certified Laboratory (4) _____ Certification No. _____
Certified Laboratory (5) _____ Certification No. _____

PARAMETER CODES

Parameter Code assistance may be obtained by calling the NPDES Unit at (919) 733-5083 or by visiting the Surface Water Protection Section's web site at h2o.enr.state.nc.us/wqs and linking to the unit's information pages.

Use only units of measurement designated in the reporting facility's NPDES permit for reporting data.

* **No Flow/Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data to be entered for all of the parameters on the DMR for the entire monitoring period.

** **ORC On Site?:** ORC must visit facility and document visitation of facility as required per 15A NCAC 8G .0204.

*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH November YEAR 2015
FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union
CERTIFIED LABTORY (1) CERTIFICATION NO.
(list additional laboratories on the backside/page 2 of this form)
OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806
PERSON(S) COLLECTING SAMPLES ORC PHONE (704) 684-1815
CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ☐

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 12/21/15
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operator Arrival Time 2400 Clock	Operator Time	ORC On Site? **	50050 FLOW EFF ☒ INF ☐ DAILY RATE	00530 Total Suspended Solids	34475 Tetrachloroethene	34506 1,1,1-Trichloroethane	39175 Vinyl chloride	82388 1,4-Dioxane									
	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L									
1				0.0000														
2	14:30	1	Y	0.0000														
3	14:30	1	Y	0.0000														
4	14:30	1	Y	0.0000														
5	14:30	1	Y	0.0000														
6	9:10	1	Y	0.0000														
7				0.0000														
8				0.0000														
9	14:30	1	Y	0.0113														
10	14:30	1	Y	0.0391														
11	14:30	1	Y	0.0388														
12	14:30	1	Y	0.0386														
13	9:25	1	Y	0.0303														
14				0.0469														
15				0.0386														
16	14:30	1	Y	0.0381														
17	14:30	1	Y	0.0381														
18	14:30	1	Y	0.0384														
19	14:30	1	Y	0.0387														
20	10:55	1	Y	0.0368														
21				0.0406														
22				0.0387														
23	14:30	1	Y	0.0382														
24	7:50	1	Y	0.0276	<2.6	<3.0	<4.0	<2.0	97J									
25	9:40	1	Y	0.0401														
26			H	0.0460														
27	14:30	1	Y	0.0377														
28				0.0377														
29				0.0377														
30	14:30	1	Y	0.0377														
31																		
AVERAGE				0.0272														
MAXIMUM				0.0469														
MINIMUM				0.0000														
Comp. (C) / Grab (G)																		
Monthly Limit				0.09	30.0													

J: Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag).

Facility Status: (Please check one of the following)

All monitoring data and sampling frequencies meet permit requirements (including weekly averages, if applicable) ■ Compliant

All monitoring data and sampling frequencies do NOT meet permit requirements ☐ Noncompliant

The permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances.

If the facility is noncompliant, please attach a list of corrective actions being taken and a time-table for improvements to be made as required by Part II.E.6 of the NPDES permit.

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Stuart Kerkhoff
Permittee **(Please print or type)**

Stuart Kerkhoff 12/21/15
Signature of Permittee*** Date
(Required unless submitted electronically)

600 Radiator Road, Indian Trail, NC 28079	(704) 684-1815	skerkhoff@gunk.com	10/31/2013
Permittee Address	Phone Number	e-mail address	Permit Expiration Date

ADDITIONAL CERTIFIED LABORATORIES

Certified Laboratory (2) _____ Certification No. _____
Certified Laboratory (3) _____ Certification No. _____
Certified Laboratory (4) _____ Certification No. _____
Certified Laboratory (5) _____ Certification No. _____

PARAMETER CODES

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*** **Signature of Permittee:** If signed by other than the permittee, then the delegation of the signatory authority must be on file with the state per 15A NCAC 2B .0506(b)(2)(D).

EFFLUENT

NPDES PERMIT NO. NC0088838 DISCHARGE NO. 001 MONTH December YEAR 2015

FACILITY NAME Radiator Specialty Company CLASS C COUNTY Union

CERTIFIED LABTORY (1) Prism Laboratories, Inc. CERTIFICATION NO. 402

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Stuart Kerkhoff GRADE PC-1 CERTIFICATION NO. 993806

PERSON(S) COLLECTING SAMPLES Stuart Kerkhoff ORC PHONE (704) 684-1815

CHECK BOX IF ORC HAS CHANGED ☐ NO FLOW / DISCHARGE FROM SITE * ☐

Mail ORIGINAL and ONE COPY to:
ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Stuart Kerkhoff 1/27/16
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

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	HRS	HRS	Y/B/N	MGD	mg/L	ug/L	ug/L	ug/L	ug/L									
1	14:30	1	Y	0.0377														
2	14:30	1	Y	0.0386														
3	14:30	1	Y	0.0380														
4	9:35	1	Y	0.0298														
5				0.0461														
6				0.0380														
7	14:30	1	Y	0.0382														
8	14:30	1	Y	0.0382														
9	14:30	1	Y	0.0379														
10	14:35	1	Y	0.0379														
11	14:30	1	Y	0.0377														
12				0.0377														
13				0.0377														
14	14:30	1	Y	0.0377														
15	8:00	1	Y	0.0278	<2.5	<3.0	<4.0	<2.0	<80									
16	14:30	1	Y	0.0469														
17	14:30	1	Y	0.0378														
18	12:55	1	Y	0.0354														
19				0.0409														
20				0.0385														
21	14:05	1	Y	0.0385														
22	14:30	1	Y	0.0391														
23	14:30	1	Y	0.0391														
24				0.0391														
25			H	0.0391														
26				0.0391														
27				0.0391														
28	9:45	1	B	0.0298														
29	14:30	1	Y	0.0484														
30	14:30	1	Y	0.0391														
31	14:30	1	Y	0.0391														
AVERAGE				0.0383														
MAXIMUM				0.0484														
MINIMUM				0.0278														
Comp. (C) / Grab (G)																		
Monthly Limit				0.09	30.0													

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Stuart Kerkhoff
Permittee (Please print or type)

Stuart Kerkhoff 1/27/16
Signature of Permittee*** Date
(Required unless submitted electronically)

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ATTACHMENT 6

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Ronald M. Weiner
Vice President – General Counsel

7/19/16
Date