Southeast ACCUTEST LABORATORIES

08/20/11

Technical Report for

Burns & McDonnell Engineering

QAS, 1633 Marsh Ave, Blue Summit, MO

54327

Accutest Job Number: F84758

Sampling Dates: 07/27/11 - 07/28/11

Report to:

Burns & McDonnell Engineering
9400 Ward Parkway
Kansas City, MO 64114
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ATTN: Diana Marquez

Total number of pages in report: **137**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **6**
Section 3: Sample Results **10**
3.1: F84758-1: DP107 W01 11
3.2: F84758-2: DP101 W01 14
3.3: F84758-3: DP101 W01A 17
3.4: F84758-4: DP104 W01 20
3.5: F84758-5: DP106 W01 23
3.6: F84758-6: DP106 W02 26
3.7: F84758-7: DP106 W02A 29
3.8: F84758-8: DP106 W03 32
3.9: F84758-9: DP105 W01 35
3.10: F84758-10: DP105 W02 38
3.11: F84758-11: DP107 W02 41
3.12: F84758-12: DP108 W01 44
3.13: F84758-13: DP108 W02 47
3.14: F84758-14: DP108 W02A 50
3.15: F84758-15: DP108 W03 53
3.16: F84758-16: DP108 W04 56
3.17: F84758-17: DP108 W05 59
3.18: F84758-18: DP108 W06 62
3.19: F84758-19: DP108 W07 65
3.20: F84758-20: DP109 W01 68
3.21: F84758-21: DP109 W02 71
3.22: F84758-22: DP109 W03 74
3.23: F84758-23: DP109 W04 77
3.24: F84758-24: DP109 W05 80
3.25: F84758-25: DP109 W05A 83
3.26: F84758-26: DP109 W06 86
3.27: F84758-27: DP109 W07 89
3.28: F84758-28: TRIP BLANK 92
3.29: F84758-29: DP106 S1 95
3.30: F84758-30: DP03 W01 98
Section 4: Misc. Forms **101**
4.1: Certification Exceptions 102
4.2: Chain of Custody 103
Section 5: GC/MS Volatiles - QC Data Summaries **107**
5.1: Method Blank Summary 108
5.2: Blank Spike Summary 117
5.3: Matrix Spike/Matrix Spike Duplicate Summary 126

Accutest Laboratories

Sample Summary

Burns & McDonnell Engineering

Job No: F84758

QAS, 1633 Marsh Ave, Blue Summit, MO
Project No: 54327

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F84758-1	07/27/11	07:30	KB	07/30/11	AQ	Water	DP107 W01
F84758-2	07/27/11	09:30	KB	07/30/11	AQ	Water	DP101 W01
F84758-3	07/27/11	09:30	KB	07/30/11	AQ	Water	DP101 W01A
F84758-4	07/27/11	10:00	KB	07/30/11	AQ	Water	DP104 W01
F84758-4D	07/27/11	10:00	KB	07/30/11	AQ	Water Dup/MSD	DP104 W01
F84758-4S	07/27/11	10:00	KB	07/30/11	AQ	Water Matrix Spike	DP104 W01
F84758-5	07/27/11	14:05	KB	07/30/11	AQ	Water	DP106 W01
F84758-6	07/27/11	14:20	KB	07/30/11	AQ	Water	DP106 W02
F84758-7	07/27/11	14:20	KB	07/30/11	AQ	Water	DP106 W02A
F84758-8	07/27/11	14:40	KB	07/30/11	AQ	Water	DP106 W03
F84758-9	07/27/11	15:55	KB	07/30/11	AQ	Water	DP105 W01
F84758-10	07/27/11	16:15	KB	07/30/11	AQ	Water	DP105 W02
F84758-10D	07/27/11	16:15	KB	07/30/11	AQ	Water Dup/MSD	DP105 W02

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Burns & McDonnell Engineering

Job No: F84758

QAS, 1633 Marsh Ave, Blue Summit, MO
Project No: 54327

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F84758-10S	07/27/11	16:15	KB	07/30/11	AQ	Water Matrix Spike	DP105 W02
F84758-11	07/27/11	16:45	KB	07/30/11	AQ	Water	DP107 W02
F84758-12	07/28/11	08:35	KB	07/30/11	AQ	Water	DP108 W01
F84758-13	07/28/11	08:45	KB	07/30/11	AQ	Water	DP108 W02
F84758-14	07/28/11	08:45	KB	07/30/11	AQ	Water	DP108 W02A
F84758-15	07/28/11	09:00	KB	07/30/11	AQ	Water	DP108 W03
F84758-16	07/28/11	09:15	KB	07/30/11	AQ	Water	DP108 W04
F84758-17	07/28/11	09:25	KB	07/30/11	AQ	Water	DP108 W05
F84758-18	07/28/11	09:35	KB	07/30/11	AQ	Water	DP108 W06
F84758-19	07/28/11	09:55	KB	07/30/11	AQ	Water	DP108 W07
F84758-20	07/28/11	11:55	KB	07/30/11	AQ	Water	DP109 W01
F84758-21	07/28/11	12:00	KB	07/30/11	AQ	Water	DP109 W02
F84758-22	07/28/11	12:10	KB	07/30/11	AQ	Water	DP109 W03

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Burns & McDonnell Engineering

Job No: F84758

QAS, 1633 Marsh Ave, Blue Summit, MO
Project No: 54327

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F84758-23	07/28/11	12:15	KB	07/30/11	AQ	Water	DP109 W04
F84758-24	07/28/11	12:25	KB	07/30/11	AQ	Water	DP109 W05
F84758-25	07/28/11	12:25	KB	07/30/11	AQ	Water	DP109 W05A
F84758-26	07/28/11	12:50	KB	07/30/11	AQ	Water	DP109 W06
F84758-27	07/28/11	13:10	KB	07/30/11	AQ	Water	DP109 W07
F84758-28	07/28/11	00:00	KB	07/30/11	AQ	Trip Blank Water	TRIP BLANK
F84758-29	07/27/11	11:00	KB	07/30/11	SO	Soil	DP106 S1
F84758-30	07/27/11	09:40	KB	07/30/11	AQ	Water	DP03 W01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Burns & McDonnell Engineering **Job No:** F84758

Site: QAS, 1633 Marsh Ave, Blue Summit, MO **Report Date** 8/20/2011 1:43:06 PM

29 Samples, 1 Trip Blank were collected on between 07/27/2011 and 07/28/2011 and received at Accutest on 07/30/2011 properly preserved, at 4 Deg. C and intact. These Samples received an Accutest job number of F84758. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3675

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F84758-10MS, F84758-10MSD, F84758-4MS, F84758-4MSD were used as the QC samples indicated.

BS/MS and/or MSD Recovery(s) for Acrolein, Dichlorodifluoromethane, Pentachloroethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 1,4-Dioxane, 2-Chloroethyl vinyl ether, Bromoform, Styrene are outside control limits.

Matrix Spike Duplicate Recovery(s) for 1,2,4-Trimethylbenzene, 1,4-Dioxane, 2-Chloroethyl vinyl ether, Bromoform, Styrene are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

RPD(s) for MSD for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Bromoform, Dibromochloromethane, Styrene, trans-1,3-Dichloropropene, Xylene (total) are outside control limits for sample F84758-4MSD. Probable cause due to sample homogeneity.

F84758-7: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-19: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-3: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-4: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-1: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-8: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-10: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-5: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-14: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-6: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-16: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-15: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-18: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-12: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-13: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3675

F84758-9: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-17: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-2: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-12 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-12 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-13 for Acrolein: Associated BS recovery outside control limits.
F84758-13 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-10 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-10 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-13 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-10 for Acrolein: Associated BS recovery outside control limits.
F84758-12 for Acrolein: Associated BS recovery outside control limits.
F84758-17 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-14 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-15 for Acrolein: Associated BS recovery outside control limits.
F84758-15 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-15 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-16 for Acrolein: Associated BS recovery outside control limits.
F84758-16 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-16 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-19 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-17 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-14 for Acrolein: Associated BS recovery outside control limits.
F84758-18 for Acrolein: Associated BS recovery outside control limits.
F84758-18 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-18 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-19 for Acrolein: Associated BS recovery outside control limits.
F84758-19 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-2 for Acrolein: Associated BS recovery outside control limits.
F84758-2 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-2 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-17 for Acrolein: Associated BS recovery outside control limits.
F84758-7 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-1 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-4 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-5 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-5 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-6 for Acrolein: Associated BS recovery outside control limits.
F84758-6 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-4 for Acrolein: Associated BS recovery outside control limits.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3675

F84758-7 for Acrolein: Associated BS recovery outside control limits.
F84758-4 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-7 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-8 for Acrolein: Associated BS recovery outside control limits.
F84758-8 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-8 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-9 for Acrolein: Associated BS recovery outside control limits.
F84758-9 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-9 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-6 for Pentachloroethane: Associated BS recovery outside control limits.
F84758-3 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-3 for Acrolein: Associated BS recovery outside control limits.
F84758-5 for Acrolein: Associated BS recovery outside control limits.
F84758-14 for Dichlorodifluoromethane: Associated BS recovery outside control limits.
F84758-1 for Acrolein: Associated BS recovery outside control limits.
F84758-3 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-1 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-11 for Acrolein: Associated BS recovery outside control limits.

F84758-30 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-30 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-30 for Acrolein: Associated BS recovery outside control limits.

F84758-11 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-11 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

Matrix: AQ **Batch ID:** VJ3676

Sample(s) F84702-1MS, F84702-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS and/or MSD Recovery(s) for Acrolein, Dichlorodifluoromethane, Pentachloroethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

MS and/or MSD Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Acrylonitrile, Bromoform, cis-1,2-Dichloroethylene, are outside control limits. Probable cause due to matrix interference. Methyl methacrylate - outside control limits due to high level in sample relative to spike amount. For method performance in clean matrix refer to Blank Spike.

F84758-25: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-24: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-23: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-7: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-28: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-22: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-26: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-21: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-20: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3676

F84758-30: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-3: Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84758-27: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84758-21 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-26 for Acrolein: Associated BS recovery outside control limits.

F84758-28 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-28 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-28 for Acrolein: Associated BS recovery outside control limits.

F84758-27 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-27 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-27 for Acrolein: Associated BS recovery outside control limits.

F84758-21 for Acrolein: Associated BS recovery outside control limits.

F84758-26 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-20 for Acrolein: Associated BS recovery outside control limits.

F84758-25 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-25 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-25 for Acrolein: Associated BS recovery outside control limits.

F84758-22 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-21 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-26 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-20 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-24 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-22 for Acrolein: Associated BS recovery outside control limits.

F84758-20 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-22 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-23 for Acrolein: Associated BS recovery outside control limits.

F84758-23 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84758-23 for Pentachloroethane: Associated BS recovery outside control limits.

F84758-24 for Acrolein: Associated BS recovery outside control limits.

F84758-24 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

Matrix: SO **Batch ID:** VH2635

Sample(s) F84991-1MS, F84991-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein are outside control limits. Acetone data considered minimum values.

Matrix Spike Recovery(s) for 2,2-Dichloropropane, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Duplicate Recovery(s) for 2,2-Dichloropropane, Methyl ethyl ketone, Propionitrile, Tetrahydrofuran, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

Matrix Spike Recovery(s) for Naphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

F84758-29 for Methyl bromide: Initial calibration not valid for this compound.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VH2635

F84758-29 for Acetone: Associated ICV and BS outside control limits.

F84758-29 for Acrolein: Associated ICV and BS outside control limits.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN45848

Sample(s) F84763-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: August 20, 2011

Svetlana Izosimova, QA Officer (signature on file)

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DP107 W01		
Lab Sample ID:	F84758-1	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067773.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	119	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	0.64	1.0	0.20	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP107 W01		
Lab Sample ID:	F84758-1	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.32	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	4.5	5.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP107 W01		
Lab Sample ID:	F84758-1	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	2.3	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.1	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP101 W01		
Lab Sample ID:	F84758-2	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067774.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2	J067802.D	5	08/10/11	KW	n/a	n/a	VJ3676

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	80.4	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	57.2	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	3.2	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	2.7	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	0.27	1.0	0.27	ug/l	J
108-90-7	Chlorobenzene	0.93	1.0	0.20	ug/l	J
75-00-3	Chloroethane	0.81	2.0	0.50	ug/l	J
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	2.3	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	0.80	2.0	0.50	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	4.8	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	0.36	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	885	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP101 W01		
Lab Sample ID:	F84758-2	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.78	1.0	0.26	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	0.36	1.0	0.20	ug/l	J
95-50-1	o-Dichlorobenzene	1.5	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	1.2	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	16.7	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	4.3	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	2.1	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	6.4	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	0.41	1.0	0.20	ug/l	J
80-62-6	Methyl methacrylate	2.3	5.0	1.0	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	11.8	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	134 [c]	5.0	1.7	ug/l	
91-20-3	Naphthalene	34.2	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	10	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	61.0	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	17.6	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	40.4	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP101 W01		
Lab Sample ID:	F84758-2	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	26.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	0.27	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	106	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	102%	76-127%
2037-26-5	Toluene-D8	103%	103%	86-112%
460-00-4	4-Bromofluorobenzene	104%	103%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP101 W01A		
Lab Sample ID:	F84758-3	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067775.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2 [b]	J067803.D	5	08/10/11	KW	n/a	n/a	VJ3676

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	76.4	25	10	ug/l	
107-02-8	Acrolein [c]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	52.8	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	4.5	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	3.8	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	0.41	1.0	0.27	ug/l	J
108-90-7	Chlorobenzene	0.95	1.0	0.20	ug/l	J
75-00-3	Chloroethane	0.73	2.0	0.50	ug/l	J
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	3.1	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	1.3	2.0	0.50	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	4.5	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	0.35	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	856	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP101 W01A		
Lab Sample ID:	F84758-3	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [c]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.88	1.0	0.26	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	0.55	1.0	0.20	ug/l	J
95-50-1	o-Dichlorobenzene	2.0	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	1.8	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	18.6	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	5.8	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	3.0	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	7.0	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	1.3 [d]	5.0	1.0	ug/l	J
80-62-6	Methyl methacrylate	3.3	5.0	1.0	ug/l	J
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	12.2	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	151 [d]	5.0	1.7	ug/l	
91-20-3	Naphthalene	45.4	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [c]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	13.7	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.63	1.0	0.50	ug/l	J
95-63-6	1,2,4-Trimethylbenzene	79.5	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	23.5	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	39.0	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP101 W01A		
Lab Sample ID:	F84758-3	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	27.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	0.31	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	119	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	76-127%
2037-26-5	Toluene-D8	105%	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	103%	84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(c) Associated BS recovery outside control limits.
(d) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP104 W01		
Lab Sample ID:	F84758-4	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067776.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	333	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP104 W01		
Lab Sample ID:	F84758-4	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.42	1.0	0.26	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.23	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	1.3	5.0	1.0	ug/l	J
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP104 W01		
Lab Sample ID:	F84758-4	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	1.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	0.71	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W01		
Lab Sample ID:	F84758-5	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067777.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.6	25	10	ug/l	J
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	0.48	1.0	0.20	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	1.2	2.0	0.50	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	80.3	200	25	ug/l	J
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W01		
Lab Sample ID:	F84758-5	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.23	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	2.2	5.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.35	2.0	0.27	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W01		
Lab Sample ID:	F84758-5	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.96	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	0.90	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W02		
Lab Sample ID:	F84758-6	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067778.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.9	25	10	ug/l	J
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	2.6	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	1.7	2.0	0.50	ug/l	J
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	33.1	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.5	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	1.3	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	341	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W02		
Lab Sample ID:	F84758-6	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	100	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.3	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	12.2	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	37.0	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W02		
Lab Sample ID:	F84758-6	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	10.8	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	28.1	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W02A		
Lab Sample ID:	F84758-7	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067779.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2 [b]	J067804.D	5	08/10/11	KW	n/a	n/a	VJ3676

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.9	25	10	ug/l	J
107-02-8	Acrolein [c]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	2.9	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	1.9	2.0	0.50	ug/l	J
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	36.0	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.7	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	1.5	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	471	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W02A		
Lab Sample ID:	F84758-7	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [c]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	87.4 [d]	5.0	1.3	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.6	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	13.1	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [c]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	39.0	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W02A		
Lab Sample ID:	F84758-7	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	12.2	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	31.0	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	102%	76-127%
2037-26-5	Toluene-D8	104%	103%	86-112%
460-00-4	4-Bromofluorobenzene	102%	104%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(c) Associated BS recovery outside control limits.
(d) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W03		
Lab Sample ID:	F84758-8	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067780.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.8	25	10	ug/l	J
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	30.9	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	0.41	1.0	0.26	ug/l	J
135-98-8	sec-Butylbenzene	0.49	1.0	0.22	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	0.96	1.0	0.20	ug/l	J
75-00-3	Chloroethane	8.4	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	33.6	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.2	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	1.6	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	608	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W03		
Lab Sample ID:	F84758-8	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	97.4	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	0.29	1.0	0.25	ug/l	J
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.4	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	0.83	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	0.26	1.0	0.21	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	34.2	1.0	0.34	ug/l	
91-20-3	Naphthalene	1.9	5.0	1.0	ug/l	J
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	1.1	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	5.8	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.7	2.0	0.21	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	55.6	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 W03		
Lab Sample ID:	F84758-8	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	1.8	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	8.7	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	27.3	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	13.2	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP105 W01		
Lab Sample ID:	F84758-9	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067781.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.0	25	10	ug/l	J
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	146	200	25	ug/l	J
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP105 W01		
Lab Sample ID:	F84758-9	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	3.9	5.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP105 W01		
Lab Sample ID:	F84758-9	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.86	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP105 W02		
Lab Sample ID:	F84758-10	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067782.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	25.2	200	25	ug/l	J
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP105 W02		
Lab Sample ID:	F84758-10	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	0.26	1.0	0.23	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.7	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP105 W02		
Lab Sample ID:	F84758-10	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.57	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	0.49	1.0	0.26	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP107 W02		
Lab Sample ID:	F84758-11	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J067783.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.5	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP107 W02		
Lab Sample ID:	F84758-11	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.1	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [a]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	0.46	1.0	0.25	ug/l	J
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP107 W02		
Lab Sample ID:	F84758-11	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.89	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	2.1	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	0.40	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W01		
Lab Sample ID:	F84758-12	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067784.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W01		
Lab Sample ID:	F84758-12	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.29	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.2	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W01		
Lab Sample ID:	F84758-12	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	1.2	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	0.72	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W02		
Lab Sample ID:	F84758-13	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067785.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W02		
Lab Sample ID:	F84758-13	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.83	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W02		
Lab Sample ID:	F84758-13	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W02A		
Lab Sample ID:	F84758-14	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067786.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W02A		
Lab Sample ID:	F84758-14	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.1	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W02A		
Lab Sample ID:	F84758-14	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.80	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	0.30	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W03		
Lab Sample ID:	F84758-15	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067787.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W03		
Lab Sample ID:	F84758-15	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.98	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W03		
Lab Sample ID:	F84758-15	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.55	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	0.31	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W04		
Lab Sample ID:	F84758-16	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067788.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W04		
Lab Sample ID:	F84758-16	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.93	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W04		
Lab Sample ID:	F84758-16	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W05		
Lab Sample ID:	F84758-17	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067789.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W05		
Lab Sample ID:	F84758-17	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.84	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W05		
Lab Sample ID:	F84758-17	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.62	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W06		
Lab Sample ID:	F84758-18	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067790.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	0.47	1.0	0.25	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W06		
Lab Sample ID:	F84758-18	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.61	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.83	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W06		
Lab Sample ID:	F84758-18	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	9.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.9	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W07		
Lab Sample ID:	F84758-19	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067791.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.1	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W07		
Lab Sample ID:	F84758-19	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.39	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.37	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP108 W07		
Lab Sample ID:	F84758-19	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	5.4	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.1	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W01		
Lab Sample ID:	F84758-20	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067806.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W01		
Lab Sample ID:	F84758-20	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.64	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W01		
Lab Sample ID:	F84758-20	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	11.6	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	2.2	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W02		
Lab Sample ID:	F84758-21	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067807.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W02		
Lab Sample ID:	F84758-21	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.53	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W02		
Lab Sample ID:	F84758-21	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	6.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.5	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W03		
Lab Sample ID:	F84758-22	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067808.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W03		
Lab Sample ID:	F84758-22	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.59	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W03		
Lab Sample ID:	F84758-22	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	8.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.9	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W04		
Lab Sample ID:	F84758-23	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067809.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W04		
Lab Sample ID:	F84758-23	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.36	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W04		
Lab Sample ID:	F84758-23	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	4.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	0.96	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W05		
Lab Sample ID:	F84758-24	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067810.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W05		
Lab Sample ID:	F84758-24	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.35	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.35	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W05		
Lab Sample ID:	F84758-24	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	4.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.1	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W05A		
Lab Sample ID:	F84758-25	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067811.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	0.98	1.0	0.25	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W05A		
Lab Sample ID:	F84758-25	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.1	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.53	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W05A		
Lab Sample ID:	F84758-25	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	3.3	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.69	1.0	0.26	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values. Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W06		
Lab Sample ID:	F84758-26	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067812.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.9	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W06		
Lab Sample ID:	F84758-26	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.7	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.31	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.69	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W06		
Lab Sample ID:	F84758-26	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	3.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.1	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	0.63	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W07		
Lab Sample ID:	F84758-27	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067813.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.6	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W07		
Lab Sample ID:	F84758-27	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.6	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.49	1.0	0.20	ug/l	J
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.63	1.0	0.34	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP109 W07		
Lab Sample ID:	F84758-27	**Date Sampled:**	07/28/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	10.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.1	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.5	3.0	0.52	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F84758-28	**Date Sampled:**	07/28/11
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J067814.D	1	08/10/11	KW	n/a	n/a	VJ3676
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F84758-28	**Date Sampled:**	07/28/11
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F84758-28	**Date Sampled:**	07/28/11
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 S1		
Lab Sample ID:	F84758-29	**Date Sampled:**	07/27/11
Matrix:	SO - Soil	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	77.6
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H071040.D	1	08/10/11	AH	n/a	n/a	VH2635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	3600	1500	ug/kg	
107-02-8	Acrolein [a]	ND	1800	800	ug/kg	
107-13-1	Acrylonitrile	ND	1800	830	ug/kg	
107-05-1	Allyl chloride	ND	1800	360	ug/kg	
71-43-2	Benzene	ND	360	110	ug/kg	
108-86-1	Bromobenzene	ND	360	100	ug/kg	
74-97-5	Bromochloromethane	ND	360	100	ug/kg	
75-27-4	Bromodichloromethane	ND	360	80	ug/kg	
75-25-2	Bromoform	ND	360	110	ug/kg	
104-51-8	n-Butylbenzene	594	360	95	ug/kg	
135-98-8	sec-Butylbenzene	355	360	120	ug/kg	J
98-06-6	tert-Butylbenzene	ND	360	87	ug/kg	
108-90-7	Chlorobenzene	ND	360	73	ug/kg	
75-00-3	Chloroethane	ND	360	150	ug/kg	
67-66-3	Chloroform	ND	360	87	ug/kg	
95-49-8	o-Chlorotoluene	ND	360	87	ug/kg	
106-43-4	p-Chlorotoluene	ND	360	87	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	730	ug/kg	
75-15-0	Carbon disulfide	ND	360	150	ug/kg	
56-23-5	Carbon tetrachloride	ND	360	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	360	80	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	360	100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	360	95	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	360	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	360	73	ug/kg	
107-06-2	1,2-Dichloroethane	ND	360	73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	360	87	ug/kg	
142-28-9	1,3-Dichloropropane	ND	360	73	ug/kg	
108-20-3	Di-Isopropyl ether	ND	360	73	ug/kg	
123-91-1	1,4-Dioxane	ND	15000	4100	ug/kg	
594-20-7	2,2-Dichloropropane	ND	360	100	ug/kg	
124-48-1	Dibromochloromethane	ND	360	73	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 S1		
Lab Sample ID:	F84758-29	**Date Sampled:**	07/27/11
Matrix:	SO - Soil	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	77.6
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	360	110	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	360	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	360	73	ug/kg	
541-73-1	m-Dichlorobenzene	ND	360	87	ug/kg	
95-50-1	o-Dichlorobenzene	ND	360	80	ug/kg	
106-46-7	p-Dichlorobenzene	ND	360	80	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	360	110	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	360	80	ug/kg	
100-41-4	Ethylbenzene	ND	360	73	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	360	ug/kg	
591-78-6	2-Hexanone	ND	1800	390	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	150	ug/kg	
98-82-8	Isopropylbenzene	260	360	80	ug/kg	J
99-87-6	p-Isopropyltoluene	273	360	87	ug/kg	J
108-10-1	4-Methyl-2-pentanone	ND	1800	400	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	670	ug/kg	
74-83-9	Methyl bromide [b]	ND	360	150	ug/kg	
74-87-3	Methyl chloride	ND	360	150	ug/kg	
74-88-4	Methyl iodide	ND	730	80	ug/kg	
80-62-6	Methyl methacrylate	ND	360	130	ug/kg	
74-95-3	Methylene bromide	ND	360	110	ug/kg	
75-09-2	Methylene chloride	333	730	330	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1800	440	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	360	150	ug/kg	
91-20-3	Naphthalene	ND	360	150	ug/kg	
76-01-7	Pentachloroethane	ND	1800	360	ug/kg	
107-12-0	Propionitrile	ND	3600	1200	ug/kg	
103-65-1	n-Propylbenzene	549	360	100	ug/kg	
100-42-5	Styrene	ND	360	190	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	360	73	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	360	80	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	360	87	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	360	80	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	360	73	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	360	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	87	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	2880	360	80	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	757	360	95	ug/kg	
127-18-4	Tetrachloroethylene	ND	360	73	ug/kg	
109-99-9	Tetrahydrofuran	ND	730	280	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP106 S1		
Lab Sample ID:	F84758-29	**Date Sampled:**	07/27/11
Matrix:	SO - Soil	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	77.6
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	360	87	ug/kg	
79-01-6	Trichloroethylene	ND	360	87	ug/kg	
75-69-4	Trichlorofluoromethane	ND	360	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	360	ug/kg	
75-01-4	Vinyl chloride	ND	360	110	ug/kg	
1330-20-7	Xylene (total)	925	1100	230	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	92%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Initial calibration not valid for this compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP03 W01		
Lab Sample ID:	F84758-30	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J067792.D	1	08/09/11	KW	n/a	n/a	VJ3675
Run #2 [a]	J067805.D	5	08/10/11	KW	n/a	n/a	VJ3676

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.5	25	10	ug/l	J
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	99.7	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	4.8	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	4.7	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	0.52	1.0	0.27	ug/l	J
108-90-7	Chlorobenzene	3.3	1.0	0.20	ug/l	
75-00-3	Chloroethane	1.0	2.0	0.50	ug/l	J
67-66-3	Chloroform	0.55	1.0	0.22	ug/l	J
95-49-8	o-Chlorotoluene	4.5	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	2.0	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	198	200	25	ug/l	J
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP03 W01		
Lab Sample ID:	F84758-30	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	2.4	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	6.9	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	14.5	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	11.3	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	13.6	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	3.8	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	2.0 [c]	5.0	1.0	ug/l	J
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	2.1	5.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	13.7	1.0	0.34	ug/l	
91-20-3	Naphthalene	86.5	5.0	1.0	ug/l	
76-01-7	Pentachloroethane [b]	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	28.5	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.2	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	106 [c]	10	1.4	ug/l	
108-67-8	1,3,5-Trimethylbenzene	27.5	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	18.1	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP03 W01		
Lab Sample ID:	F84758-30	**Date Sampled:**	07/27/11
Matrix:	AQ - Water	**Date Received:**	07/30/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	8.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	0.55	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	268	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	103%	76-127%
2037-26-5	Toluene-D8	103%	101%	86-112%
460-00-4	4-Bromofluorobenzene	95%	105%	84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Associated BS recovery outside control limits.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Di-Isopropyl ether	108-20-3	SW846 8260B	AQ	Certified by SOP MS005

Burns & McDonnell SINCE 1898

021706 Form WCD-KC1

Request for Chemical Analysis and Chain of Custody Record

1

Burns & McDonnell Engineering
9400 Ward Parkway
Kansas City, Missouri 64114
Phone: (816) 333-9400 Fax: (816) 822-3494

Attention: Diana Marquez

Laboratory: Accutest Laboratories SE inc
Address: 4405 Vineland Rd. STE C15
City/State/Zip: Orlando, FL 32811
Telephone: 407 425 6700

Document Control No: 072911
Lab. Reference No. or Episode No.: F84758

Project Number: 54327

Client Name: QAS

Sample Type

Group or SWMU Name	Sample Point	Sample Designator	Sample Event Round	Sample Event Year	Sample Depth (in feet) From	Sample Depth (in feet) To	Sample Collected Date	Sample Collected Time	Matrix Liquid	Matrix Solid	Matrix Gas	Number of Containers	Analysis VOCs						Remarks
1	DP107	W01					7-27	0730	X			3	X						
2	DP101	W01					7-27	0930	X			3	X						
3	DP101	W01A					7-27	0930	X			3	X						
4	DP104	W01					7-27	1000	X			3	X						
4	DP104	W01MS					7-27	1000	X			3	X						
4	DP104	W01MSD					7-27	1000	X			3	X						
5	DP106	W01					7-27	1405	X			3	X						
6	DP106	W02					7-27	1420	X			3	X						
7	DP106	W02A					7-27	1420	X			3	X						
8	DP106	W03					7-27	1440	X			3	X						
9	DP105	W01					7-27	1555	X			3	X						
10	DP105	W02					7-27	1615	X			3	X						
10	DP105	W02MS					7-27	1615	X			3	X						
10	DP105	W02MSD					7-27	1615	X			3	X						
11	DP107	W02					7-27	1645	X			3	X						

Sampler (signature): Kevin Bolling

Sampler (signature):

Special Instructions:

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time	Ice Present in Container: Yes ☐ No ☐	Temperature Upon Receipt:
1.	7-29/730	FX			
2. FX	7/30/1130	Accutest	7/30/1130	Laboratory Comments:	4.0

F84758: Chain of Custody
Page 1 of 4

Burns & McDonnell SINCE 1898

021706 Form WCD-KC1

Request for Chemical Analysis and Chain of Custody Record

2

Burns & McDonnell Engineering
9400 Ward Parkway
Kansas City, Missouri 64114
Phone: (816) 333-9400 Fax: (816) 822-3494

Attention: Diana Marquez

Laboratory: Accutest Laboratories SE INC
Address: 4405 Vineland Rd STE C15
City/State/Zip: Orlando, FL 32811
Telephone: 407 425 6700

Document Control No: 072911
Lab. Reference No. or Episode No.:

F84758

Project Number: 54327

Client Name: QAS

Sample Number: Group or SWMU Name	Sample Number: Sample Point	Sample Number: Sample Designator	Sample Event: Round	Sample Event: Year	Sample Depth (in feet): From	Sample Depth (in feet): To	Sample Collected: Date	Sample Collected: Time	Sample Type: Matrix: Liquid	Sample Type: Matrix: Solid	Sample Type: Matrix: Gas	Number of Containers	Analysis: VOCs (8260)	Remarks
12	DP108	W01				88	7-28	0835	X			3	X	
13	DP108	W02				78	7-28	0845	X			3	X	
14	DP108	W02A				78	7-28	0845	X			3	X	
15	DP108	W03				68	7-28	0900	X			3	X	
16	DP108	W04				58	7-28	0915	X			3	X	
17	DP108	W05				48	7-28	0925	X			3	X	
18	DP108	W06				38	7-28	0935	X			3	X	
19	DP108	W07				28	7-28	0950	X			3	X	

Sampler (signature): Karin Bolling

Sampler (signature):

Special Instructions:

Relinquished By (signature): 1. — Date/Time 7/29/1720

Received By (signature): — Date/Time

Ice Present in Container: Yes ☐ No ☐

Temperature Upon Receipt:

Relinquished By (signature): 2. — Date/Time 7/30/11 930

Received By (signature): Fedex — Date/Time 7/30/11 930

Laboratory Comments: 4.0

4.2

4

F84758: Chain of Custody
Page 2 of 4

Burns & McDonnell
021706 Form WCD-KC1

Request for Chemical Analysis and Chain of Custody Record

3

Burns & McDonnell Engineering
9400 Ward Parkway
Kansas City, Missouri 64114
Phone: (816) 333-9400 Fax: (816) 822-3494

Attention: Diana Marquez

Laboratory: Accutest Labs SE Inc
Address: 4405 Vineland Rd Ste C15
City/State/Zip: Orlando, Fl 32811
Telephone: 407 425 6700

Document Control No: 072911
Lab. Reference No. or Episode No.:

F84758

Project Number: 54327
Client Name: QAS

Group or SWMU Name	Sample Point	Sample Designator	Sample Event Round	Sample Event Year	Sample Depth (in feet) From	Sample Depth (in feet) To	Sample Collected Date	Sample Collected Time	Matrix Liquid	Matrix Solid	Matrix Gas	Number of Containers	Analysis VOCs 8260	Analysis VOCs 5035	Remarks
20	DP109	W01				81	7-28	1155	X			3	X		
21	DP109	W02				71	7-28	1200	X			3	X		
22	DP109	W03				61	7-28	1210	X			3	X		
23	DP109	W04				51	7-28	1215	X			3	X		
24	DP109	W05				41	7-28	1225	X			3	X		
25	DP109	W05A				41	7-28	1225	X			3	X		
26	DP109	W06				31	7-28	1250	X			3	X		
27	DP109	W07				21	7-28	1310	X			3	X		
28	TRIP	BLANK					—	—	X			2	X		
29	DP106	S1			23.5	24	7-27	1100		X		4		X	
	Temp	Blank													

Sampler (signature): Kevin Bolling

Relinquished By (signature) 1. — Date/Time 7-31-1720
Relinquished By (signature) 2. — Date/Time 7/30/11 930

Sampler (signature):

Received By (signature): — Date/Time
Received By (signature): Accutest — Date/Time 7/30/11 930

Special Instructions:

Ice Present in Container: Yes ☐ No ☐
Temperature Upon Receipt:
Laboratory Comments: 4.0

4.2
4

F84758: Chain of Custody
Page 3 of 4

Job Change Order: F84758_8/1/2011

Requested Date:	8/1/2011	**Received Date:**	7/30/2011
Account Name:	Burns & McDonnell Engineering	**Due Date:**	8/15/2011
Project Description:	QAS, 1633 Marsh Ave, Blue Summit, MO	**Deliverable:**	COMMBN
CSR:	AC	**TAT (Days):**	14

Sample #:
F84758-30

Change: Analyze sample TP03 W01 for VOCs. Received but not listed on the COC.

Above Changes Diana Marquez **Date:** 8/1/2011

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3675-MB	J067772.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-4, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3675-MB	J067772.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-4, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.74	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3675-MB	J067772.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-4, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3676-MB	J067801.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	3.0	ug/l	
107-05-1	Allyl chloride	ND	2.0	0.30	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.25	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.20	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.27	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.22	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.35	ug/l	
123-91-1	1,4-Dioxane	ND	200	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.44	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3676-MB	J067801.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.80	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-88-4	Methyl iodide	ND	1.0	0.20	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.25	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.59	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.30	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.21	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
109-99-9	Tetrahydrofuran	ND	5.0	2.0	ug/l	

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3676-MB	J067801.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH2635-MB	H071024.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	11	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.5	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.1	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.0	ug/kg	
123-91-1	1,4-Dioxane	ND	200	56	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.2	ug/kg	

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH2635-MB	H071024.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	5.0	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
591-78-6	2-Hexanone	ND	25	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	5.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	9.2	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	1.1	ug/kg	
80-62-6	Methyl methacrylate	ND	5.0	1.8	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	4.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	6.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	16	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.4	ug/kg	
100-42-5	Styrene	ND	5.0	2.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	3.8	ug/kg	

Method Blank Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH2635-MB	H071024.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.2	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3675-BS	J067771.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-4, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	105	84	59-134
107-02-8	Acrolein	125	429	343*	33-157
107-13-1	Acrylonitrile	125	151	121	62-124
107-05-1	Allyl chloride	25	26.9	108	48-136
71-43-2	Benzene	25	27.5	110	83-124
108-86-1	Bromobenzene	25	26.1	104	83-115
74-97-5	Bromochloromethane	25	27.2	109	78-112
75-27-4	Bromodichloromethane	25	27.1	108	76-116
75-25-2	Bromoform	25	23.2	93	68-128
104-51-8	n-Butylbenzene	25	25.4	102	84-124
135-98-8	sec-Butylbenzene	25	26.0	104	86-127
98-06-6	tert-Butylbenzene	25	26.0	104	83-126
108-90-7	Chlorobenzene	25	27.7	111	87-115
75-00-3	Chloroethane	25	26.1	104	54-166
67-66-3	Chloroform	25	27.9	112	85-123
95-49-8	o-Chlorotoluene	25	28.0	112	84-121
106-43-4	p-Chlorotoluene	25	28.5	114	84-120
110-75-8	2-Chloroethyl vinyl ether	125	156	125	63-125
75-15-0	Carbon disulfide	25	28.8	115	67-147
56-23-5	Carbon tetrachloride	25	30.3	121	74-139
75-34-3	1,1-Dichloroethane	25	27.5	110	82-127
75-35-4	1,1-Dichloroethylene	25	31.2	125	75-133
563-58-6	1,1-Dichloropropene	25	29.6	118	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	23.1	92	61-118
106-93-4	1,2-Dibromoethane	25	26.1	104	80-115
107-06-2	1,2-Dichloroethane	25	25.5	102	76-122
78-87-5	1,2-Dichloropropane	25	27.0	108	81-120
142-28-9	1,3-Dichloropropane	25	26.6	106	81-113
108-20-3	Di-Isopropyl ether	25	27.5	110	75-125
123-91-1	1,4-Dioxane	500	422	84	59-129
594-20-7	2,2-Dichloropropane	25	31.3	125	77-138
124-48-1	Dibromochloromethane	25	27.1	108	74-116
75-71-8	Dichlorodifluoromethane	25	45.7	183*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	27.7	111	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	83-119
541-73-1	m-Dichlorobenzene	25	26.9	108	86-115

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3675-BS	J067771.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-4, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	o-Dichlorobenzene	25	26.2	105	85-115
106-46-7	p-Dichlorobenzene	25	25.7	103	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.8	115	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.5	118	87-123
100-41-4	Ethylbenzene	25	25.7	103	87-118
97-63-2	Ethyl methacrylate	25	24.7	99	68-110
591-78-6	2-Hexanone	125	121	97	58-125
87-68-3	Hexachlorobutadiene	25	28.9	116	71-133
98-82-8	Isopropylbenzene	25	30.0	120	87-131
99-87-6	p-Isopropyltoluene	25	26.5	106	83-125
108-10-1	4-Methyl-2-pentanone	125	139	111	62-125
126-98-7	Methacrylonitrile	250	262	105	62-133
74-83-9	Methyl bromide	25	26.2	105	55-151
74-87-3	Methyl chloride	25	32.8	131	55-173
74-88-4	Methyl iodide	25	29.6	118	72-125
80-62-6	Methyl methacrylate	25	27.1	108	63-115
74-95-3	Methylene bromide	25	26.1	104	81-116
75-09-2	Methylene chloride	25	25.2	101	69-125
78-93-3	Methyl ethyl ketone	125	113	90	61-127
1634-04-4	Methyl Tert Butyl Ether	25	26.3	105	75-116
91-20-3	Naphthalene	25	23.4	94	59-125
76-01-7	Pentachloroethane	25	30.3	121*	82-111
107-12-0	Propionitrile	250	258	103	69-119
103-65-1	n-Propylbenzene	25	28.7	115	86-125
100-42-5	Styrene	25	24.9	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	81-119
71-55-6	1,1,1-Trichloroethane	25	29.3	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	25.6	102	80-114
87-61-6	1,2,3-Trichlorobenzene	25	28.1	112	64-126
96-18-4	1,2,3-Trichloropropane	25	24.1	96	77-115
120-82-1	1,2,4-Trichlorobenzene	25	26.0	104	68-123
95-63-6	1,2,4-Trimethylbenzene	25	24.7	99	82-120
108-67-8	1,3,5-Trimethylbenzene	25	28.0	112	83-123
127-18-4	Tetrachloroethylene	25	30.5	122	80-131
109-99-9	Tetrahydrofuran	25	23.8	95	60-125

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3675-BS	J067771.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-4, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-88-3	Toluene	25	27.6	110	86-116
79-01-6	Trichloroethylene	25	29.0	116	85-124
75-69-4	Trichlorofluoromethane	25	31.2	125	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.7	103	51-137
75-01-4	Vinyl chloride	25	29.1	116	57-153
1330-20-7	Xylene (total)	75	77.5	103	86-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3676-BS	J067800.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	101	81	59-134
107-02-8	Acrolein	125	399	319*	33-157
107-13-1	Acrylonitrile	125	137	110	62-124
107-05-1	Allyl chloride	25	25.8	103	48-136
71-43-2	Benzene	25	25.4	102	83-124
108-86-1	Bromobenzene	25	25.1	100	83-115
74-97-5	Bromochloromethane	25	25.2	101	78-112
75-27-4	Bromodichloromethane	25	25.5	102	76-116
75-25-2	Bromoform	25	20.9	84	68-128
104-51-8	n-Butylbenzene	25	24.1	96	84-124
135-98-8	sec-Butylbenzene	25	24.8	99	86-127
98-06-6	tert-Butylbenzene	25	24.5	98	83-126
108-90-7	Chlorobenzene	25	25.7	103	87-115
75-00-3	Chloroethane	25	24.7	99	54-166
67-66-3	Chloroform	25	25.9	104	85-123
95-49-8	o-Chlorotoluene	25	27.1	108	84-121
106-43-4	p-Chlorotoluene	25	27.7	111	84-120
110-75-8	2-Chloroethyl vinyl ether	125	142	114	63-125
75-15-0	Carbon disulfide	25	27.1	108	67-147
56-23-5	Carbon tetrachloride	25	27.8	111	74-139
75-34-3	1,1-Dichloroethane	25	25.6	102	82-127
75-35-4	1,1-Dichloroethylene	25	29.0	116	75-133
563-58-6	1,1-Dichloropropene	25	27.7	111	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	20.4	82	61-118
106-93-4	1,2-Dibromoethane	25	24.2	97	80-115
107-06-2	1,2-Dichloroethane	25	23.6	94	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
142-28-9	1,3-Dichloropropane	25	25.0	100	81-113
108-20-3	Di-Isopropyl ether	25	25.2	101	75-125
123-91-1	1,4-Dioxane	500	424	85	59-129
594-20-7	2,2-Dichloropropane	25	28.6	114	77-138
124-48-1	Dibromochloromethane	25	25.3	101	74-116
75-71-8	Dichlorodifluoromethane	25	44.4	178*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	83-119
541-73-1	m-Dichlorobenzene	25	25.8	103	86-115

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3676-BS	J067800.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-50-1	o-Dichlorobenzene	25	24.6	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.4	110	87-123
100-41-4	Ethylbenzene	25	24.1	96	87-118
97-63-2	Ethyl methacrylate	25	23.6	94	68-110
591-78-6	2-Hexanone	125	109	87	58-125
87-68-3	Hexachlorobutadiene	25	26.7	107	71-133
98-82-8	Isopropylbenzene	25	27.8	111	87-131
99-87-6	p-Isopropyltoluene	25	25.4	102	83-125
108-10-1	4-Methyl-2-pentanone	125	126	101	62-125
126-98-7	Methacrylonitrile	250	247	99	62-133
74-83-9	Methyl bromide	25	24.5	98	55-151
74-87-3	Methyl chloride	25	30.0	120	55-173
74-88-4	Methyl iodide	25	27.4	110	72-125
80-62-6	Methyl methacrylate	25	25.7	103	63-115
74-95-3	Methylene bromide	25	23.6	94	81-116
75-09-2	Methylene chloride	25	23.6	94	69-125
78-93-3	Methyl ethyl ketone	125	102	82	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.1	96	75-116
91-20-3	Naphthalene	25	21.7	87	59-125
76-01-7	Pentachloroethane	25	29.2	117*	82-111
107-12-0	Propionitrile	250	238	95	69-119
103-65-1	n-Propylbenzene	25	28.0	112	86-125
100-42-5	Styrene	25	23.4	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.1	96	81-119
71-55-6	1,1,1-Trichloroethane	25	27.2	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.3	93	71-120
79-00-5	1,1,2-Trichloroethane	25	24.4	98	80-114
87-61-6	1,2,3-Trichlorobenzene	25	25.2	101	64-126
96-18-4	1,2,3-Trichloropropane	25	22.8	91	77-115
120-82-1	1,2,4-Trichlorobenzene	25	23.7	95	68-123
95-63-6	1,2,4-Trimethylbenzene	25	23.6	94	82-120
108-67-8	1,3,5-Trimethylbenzene	25	26.5	106	83-123
127-18-4	Tetrachloroethylene	25	27.5	110	80-131
109-99-9	Tetrahydrofuran	25	21.6	86	60-125

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3676-BS	J067800.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-88-3	Toluene	25	25.7	103	86-116
79-01-6	Trichloroethylene	25	26.5	106	85-124
75-69-4	Trichlorofluoromethane	25	30.1	120	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	23.6	94	51-137
75-01-4	Vinyl chloride	25	27.2	109	57-153
1330-20-7	Xylene (total)	75	72.9	97	86-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH2635-BS	H071023.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	137	55*	61-144
107-02-8	Acrolein	250	927	371*	27-156
107-13-1	Acrylonitrile	250	272	109	55-144
107-05-1	Allyl chloride	50	44.6	89	41-152
71-43-2	Benzene	50	49.2	98	78-130
108-86-1	Bromobenzene	50	48.3	97	78-123
74-97-5	Bromochloromethane	50	47.4	95	72-122
75-27-4	Bromodichloromethane	50	51.1	102	73-122
75-25-2	Bromoform	50	51.0	102	70-139
104-51-8	n-Butylbenzene	50	47.5	95	80-138
135-98-8	sec-Butylbenzene	50	46.5	93	82-132
98-06-6	tert-Butylbenzene	50	46.7	93	79-130
108-90-7	Chlorobenzene	50	49.6	99	83-122
75-00-3	Chloroethane	50	43.8	88	61-153
67-66-3	Chloroform	50	49.6	99	79-129
95-49-8	o-Chlorotoluene	50	46.7	93	77-123
106-43-4	p-Chlorotoluene	50	49.1	98	78-129
110-75-8	2-Chloroethyl vinyl ether	250	271	108	52-142
75-15-0	Carbon disulfide	50	38.3	77	61-142
56-23-5	Carbon tetrachloride	50	47.0	94	79-135
75-34-3	1,1-Dichloroethane	50	46.6	93	77-132
75-35-4	1,1-Dichloroethylene	50	46.4	93	66-132
563-58-6	1,1-Dichloropropene	50	46.7	93	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.6	101	67-129
106-93-4	1,2-Dibromoethane	50	52.5	105	77-126
107-06-2	1,2-Dichloroethane	50	51.0	102	78-129
78-87-5	1,2-Dichloropropane	50	48.2	96	74-127
142-28-9	1,3-Dichloropropane	50	52.2	104	78-118
108-20-3	Di-Isopropyl ether	50	43.1	86	75-131
123-91-1	1,4-Dioxane	1000	893	89	67-132
594-20-7	2,2-Dichloropropane	50	46.8	94	80-137
124-48-1	Dibromochloromethane	50	51.8	104	78-117
75-71-8	Dichlorodifluoromethane	50	64.9	130	35-162
156-59-2	cis-1,2-Dichloroethylene	50	48.6	97	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	79-130
541-73-1	m-Dichlorobenzene	50	49.7	99	82-126

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH2635-BS	H071023.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-50-1	o-Dichlorobenzene	50	50.6	101	83-123
106-46-7	p-Dichlorobenzene	50	49.2	98	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.8	90	77-129
10061-02-6	trans-1,3-Dichloropropene	50	56.4	113	87-131
100-41-4	Ethylbenzene	50	46.7	93	82-124
97-63-2	Ethyl methacrylate	50	56.4	113	78-118
591-78-6	2-Hexanone	250	260	104	67-130
87-68-3	Hexachlorobutadiene	50	47.0	94	77-150
98-82-8	Isopropylbenzene	50	52.6	105	82-133
99-87-6	p-Isopropyltoluene	50	48.6	97	82-132
108-10-1	4-Methyl-2-pentanone	250	283	113	69-125
126-98-7	Methacrylonitrile	500	506	101	70-138
74-83-9	Methyl bromide	50	52.4	105	60-146
74-87-3	Methyl chloride	50	49.2	98	58-163
74-88-4	Methyl iodide	50	45.3	91	66-128
80-62-6	Methyl methacrylate	50	57.6	115	73-125
74-95-3	Methylene bromide	50	52.4	105	75-128
75-09-2	Methylene chloride	50	48.2	96	62-140
78-93-3	Methyl ethyl ketone	250	200	80	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.9	92	70-131
91-20-3	Naphthalene	50	46.7	93	59-143
76-01-7	Pentachloroethane	50	62.8	126	64-156
107-12-0	Propionitrile	500	529	106	73-133
103-65-1	n-Propylbenzene	50	46.2	92	78-129
100-42-5	Styrene	50	49.3	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.1	100	81-121
71-55-6	1,1,1-Trichloroethane	50	47.5	95	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	51.0	102	70-128
79-00-5	1,1,2-Trichloroethane	50	53.4	107	76-118
87-61-6	1,2,3-Trichlorobenzene	50	48.6	97	78-136
96-18-4	1,2,3-Trichloropropane	50	51.2	102	74-125
120-82-1	1,2,4-Trichlorobenzene	50	49.2	98	82-137
95-63-6	1,2,4-Trimethylbenzene	50	47.7	95	77-129
108-67-8	1,3,5-Trimethylbenzene	50	46.3	93	79-129
127-18-4	Tetrachloroethylene	50	46.3	93	79-132
109-99-9	Tetrahydrofuran	50	43.1	86	65-137

Blank Spike Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH2635-BS	H071023.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	45.5	91	80-123
79-01-6	Trichloroethylene	50	48.3	97	78-132
75-69-4	Trichlorofluoromethane	50	56.8	114	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	46.9	94	74-138
75-01-4	Vinyl chloride	50	45.1	90	60-145
1330-20-7	Xylene (total)	150	140	93	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84758-4MS	J067793.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-4MSD	J067794.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-4 [a]	J067776.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-4

CAS No.	Compound	F84758-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	97.3	78	102	82	5	59-134/14
107-02-8	Acrolein	ND		125	421	337*	350	280*	18	33-157/21
107-13-1	Acrylonitrile	ND		125	125	100	132	106	5	62-124/13
107-05-1	Allyl chloride	ND		25	21.8	87	19.4	78	12	48-136/13
71-43-2	Benzene	ND		25	27.2	109	25.8	103	5	83-124/11
108-86-1	Bromobenzene	ND		25	25.3	101	24.7	99	2	83-115/10
74-97-5	Bromochloromethane	ND		25	25.8	103	25.9	104	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.7	99	22.4	90	10	76-116/10
75-25-2	Bromoform	ND		25	18.4	74	15.5	62*	17*	68-128/11
104-51-8	n-Butylbenzene	ND		25	23.1	92	22.6	90	2	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.6	102	24.4	98	5	86-127/10
98-06-6	tert-Butylbenzene	ND		25	26.0	104	25.2	101	3	83-126/10
108-90-7	Chlorobenzene	ND		25	26.9	108	25.2	101	7	87-115/9
75-00-3	Chloroethane	ND		25	27.9	112	25.6	102	9	54-166/20
67-66-3	Chloroform	ND		25	26.5	106	25.7	103	3	85-123/10
95-49-8	o-Chlorotoluene	ND		25	27.5	110	25.8	103	6	84-121/10
106-43-4	p-Chlorotoluene	ND		25	27.4	110	26.3	105	4	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	21.4	86	20.3	81	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.3	109	25.0	100	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.1	108	25.8	103	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	29.4	118	27.2	109	8	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.5	110	26.1	104	5	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	22.2	89	21.7	87	2	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	25.4	102	23.7	95	7	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	24.4	98	23.7	95	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.0	104	25.1	100	4	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	25.6	102	24.7	99	4	81-113/11
108-20-3	Di-Isopropyl ether	ND		25	26.0	104	25.5	102	2	75-125/10
123-91-1	1,4-Dioxane	333		500	383	10*	406	15*	6	59-129/22
594-20-7	2,2-Dichloropropane	ND		25	24.5	98	23.1	92	6	77-138/12
124-48-1	Dibromochloromethane	ND		25	24.2	97	20.3	81	18*	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	40.8	163*	37.0	148	10	34-158/22
156-59-2	cis-1,2-Dichloroethylene	0.42	J	25	26.7	105	26.4	104	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.9	96	21.7	87	10	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	25.8	103	25.0	100	3	86-115/9

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84758-4MS	J067793.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-4MSD	J067794.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-4 [a]	J067776.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-4

CAS No.	Compound	F84758-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	ND		25	25.3	101	24.9	100	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.9	100	24.0	96	4	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.8	111	26.1	104	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.7	103	22.4	90	14*	87-123/10
100-41-4	Ethylbenzene	0.23	J	25	25.4	101	23.0	91	10	87-118/10
97-63-2	Ethyl methacrylate	ND		25	22.6	90	20.3	81	11	68-110/11
591-78-6	2-Hexanone	ND		125	114	91	117	94	3	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	23.7	95	24.3	97	3	71-133/12
98-82-8	Isopropylbenzene	ND		25	29.1	116	26.6	106	9	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.4	102	23.2	93	9	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	138	110	138	110	0	62-125/13
126-98-7	Methacrylonitrile	ND		250	251	100	244	98	3	62-133/17
74-83-9	Methyl bromide	ND		25	26.4	106	24.1	96	9	55-151/21
74-87-3	Methyl chloride	ND		25	30.4	122	30.1	120	1	55-173/22
74-88-4	Methyl iodide	ND		25	27.3	109	26.7	107	2	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.4	98	22.5	90	8	63-115/10
74-95-3	Methylene bromide	ND		25	25.1	100	25.1	100	0	81-116/10
75-09-2	Methylene chloride	ND		25	24.4	98	23.7	95	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	103	82	107	86	4	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	24.3	97	24.5	98	1	75-116/10
91-20-3	Naphthalene	1.3	J	25	23.4	88	21.5	81	8	59-125/15
76-01-7	Pentachloroethane	ND		25	28.8	115*	26.7	107	8	82-111/8
107-12-0	Propionitrile	ND		250	236	94	244	98	3	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.3	113	26.6	106	6	86-125/10
100-42-5	Styrene	ND		25	19.2	77*	12.2	49*	45*	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.3	101	23.4	94	8	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	27.0	108	26.2	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.1	96	24.3	97	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.8	99	24.0	96	3	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.6	98	26.0	104	6	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.5	94	23.7	95	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	23.2	93	24.3	97	5	68-123/11
95-63-6	1,2,4-Trimethylbenzene	ND		25	22.5	90	17.6	70*	24*	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.3	105	20.8	83	23*	83-123/10
127-18-4	Tetrachloroethylene	ND		25	28.2	113	26.4	106	7	80-131/12
109-99-9	Tetrahydrofuran	ND		25	21.8	87	22.8	91	4	60-125/16

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84758-4MS	J067793.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-4MSD	J067794.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-4 [a]	J067776.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-4

CAS No.	Compound	F84758-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	1.2		25	28.1	108	26.0	99	8	86-116/10
79-01-6	Trichloroethylene	ND		25	27.6	110	27.0	108	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	31.9	128	29.4	118	8	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	18.8	75	18.2	73	3	51-137/24
75-01-4	Vinyl chloride	ND		25	28.8	115	26.9	108	7	57-153/22
1330-20-7	Xylene (total)	0.71	J	75	73.8	97	65.3	86	12*	86-120/10

CAS No.	Surrogate Recoveries	MS	MSD	F84758-4	Limits
1868-53-7	Dibromofluoromethane	102%	103%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	103%	76-127%
2037-26-5	Toluene-D8	105%	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	102%	104%	100%	84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84758-10MS	J067795.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-10MSD	J067796.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-10 [a]	J067782.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	F84758-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	100	80	108	86	8	59-134/14
107-02-8	Acrolein	ND		125	411	329*	380	304*	8	33-157/21
107-13-1	Acrylonitrile	ND		125	151	121	143	114	5	62-124/13
107-05-1	Allyl chloride	ND		25	22.1	88	20.8	83	6	48-136/13
71-43-2	Benzene	ND		25	26.4	106	26.3	105	0	83-124/11
108-86-1	Bromobenzene	ND		25	24.4	98	24.3	97	0	83-115/10
74-97-5	Bromochloromethane	ND		25	25.9	104	26.1	104	1	78-112/10
75-27-4	Bromodichloromethane	ND		25	23.3	93	22.2	89	5	76-116/10
75-25-2	Bromoform	ND		25	15.3	61*	14.8	59*	3	68-128/11
104-51-8	n-Butylbenzene	ND		25	20.9	84	21.9	88	5	84-124/10
135-98-8	sec-Butylbenzene	ND		25	23.8	95	24.4	98	2	86-127/10
98-06-6	tert-Butylbenzene	ND		25	24.7	99	25.2	101	2	83-126/10
108-90-7	Chlorobenzene	ND		25	26.5	106	26.3	105	1	87-115/9
75-00-3	Chloroethane	ND		25	26.1	104	26.3	105	1	54-166/20
67-66-3	Chloroform	ND		25	27.0	108	26.6	106	1	85-123/10
95-49-8	o-Chlorotoluene	ND		25	26.5	106	27.0	108	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.8	107	27.0	108	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	21.9	88	21.1	84	4	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.5	106	25.2	101	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.8	107	27.1	108	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	29.2	117	29.5	118	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.6	110	26.5	106	4	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	20.9	84	21.5	86	3	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	25.4	102	25.1	100	1	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	24.6	98	24.2	97	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.9	104	26.1	104	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	25.8	103	25.9	104	0	81-113/11
108-20-3	Di-Isopropyl ether	ND		25	26.4	106	26.5	106	0	75-125/10
123-91-1	1,4-Dioxane	25.2	J	500	416	78	427	80	3	59-129/22
594-20-7	2,2-Dichloropropane	ND		25	24.1	96	23.7	95	2	77-138/12
124-48-1	Dibromochloromethane	ND		25	20.4	82	20.3	81	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	37.2	149	36.6	146	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.8	107	26.5	106	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.8	95	21.9	88	8	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	24.9	100	25.4	102	2	86-115/9

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84758-10MS	J067795.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-10MSD	J067796.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-10 [a]	J067782.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	F84758-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	ND		25	24.3	97	25.2	101	4	85-115/9
106-46-7	p-Dichlorobenzene	0.26	J	25	24.2	96	24.5	97	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.3	109	26.4	106	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.9	104	24.2	97	7	87-123/10
100-41-4	Ethylbenzene	ND		25	24.6	98	24.3	97	1	87-118/10
97-63-2	Ethyl methacrylate	ND		25	24.5	98	24.4	98	0	68-110/11
591-78-6	2-Hexanone	ND		125	117	94	121	97	3	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	21.0	84	22.5	90	7	71-133/12
98-82-8	Isopropylbenzene	ND		25	28.4	114	27.9	112	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	23.9	96	24.5	98	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	138	110	144	115	4	62-125/13
126-98-7	Methacrylonitrile	ND		250	259	104	267	107	3	62-133/17
74-83-9	Methyl bromide	ND		25	25.8	103	25.1	100	3	55-151/21
74-87-3	Methyl chloride	ND		25	30.3	121	30.6	122	1	55-173/22
74-88-4	Methyl iodide	ND		25	27.7	111	26.9	108	3	72-125/11
80-62-6	Methyl methacrylate	ND		25	26.8	107	27.2	109	1	63-115/10
74-95-3	Methylene bromide	ND		25	24.5	98	25.2	101	3	81-116/10
75-09-2	Methylene chloride	ND		25	24.3	97	24.2	97	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	104	83	112	90	7	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.7		25	26.0	97	26.8	100	3	75-116/10
91-20-3	Naphthalene	ND		25	20.4	82	22.0	88	8	59-125/15
76-01-7	Pentachloroethane	ND		25	29.4	118*	28.0	112*	5	82-111/8
107-12-0	Propionitrile	ND		250	244	98	256	102	5	69-119/12
103-65-1	n-Propylbenzene	ND		25	27.1	108	27.1	108	0	86-125/10
100-42-5	Styrene	ND		25	21.8	87	21.3	85	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.2	101	24.1	96	4	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	27.7	111	27.3	109	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.9	96	24.7	99	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.4	102	24.6	98	3	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	22.2	89	24.2	97	9	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	24.1	96	24.0	96	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.8	83	22.3	89	7	68-123/11
95-63-6	1,2,4-Trimethylbenzene	ND		25	23.5	94	23.7	95	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	26.5	106	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	27.7	111	27.4	110	1	80-131/12
109-99-9	Tetrahydrofuran	ND		25	21.9	88	23.5	94	7	60-125/16

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84758-10MS	J067795.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-10MSD	J067796.D	1	08/09/11	KW	n/a	n/a	VJ3675
F84758-10 [a]	J067782.D	1	08/09/11	KW	n/a	n/a	VJ3675

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-1, F84758-2, F84758-3, F84758-5, F84758-6, F84758-7, F84758-8, F84758-9, F84758-10, F84758-11, F84758-12, F84758-13, F84758-14, F84758-15, F84758-16, F84758-17, F84758-18, F84758-19, F84758-30

CAS No.	Compound	F84758-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	0.57	J	25	28.1	110	27.6	108	2	86-116/10
79-01-6	Trichloroethylene	0.49	J	25	27.8	109	28.4	112	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	30.1	120	29.6	118	2	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	17.6	70	16.9	68	4	51-137/24
75-01-4	Vinyl chloride	ND		25	28.2	113	27.7	111	2	57-153/22
1330-20-7	Xylene (total)	ND		75	74.5	99	73.0	97	2	86-120/10

CAS No.	Surrogate Recoveries	MS	MSD	F84758-10	Limits
1868-53-7	Dibromofluoromethane	103%	102%	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	108%	76-127%
2037-26-5	Toluene-D8	105%	105%	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	105%	104%	84-120%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84702-1MS	J067823.D	1	08/10/11	KW	n/a	n/a	VJ3676
F84702-1MSD	J067824.D	1	08/10/11	KW	n/a	n/a	VJ3676
F84702-1	J067815.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	F84702-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	46.3		125	109	50*	116	56*	6	59-134/14
107-02-8	Acrolein	20 U		125	465	372*	435	348*	7	33-157/21
107-13-1	Acrylonitrile	10 U		125	155	124	160	128*	3	62-124/13
107-05-1	Allyl chloride	2.0 U		25	20.6	82	19.6	78	5	48-136/13
71-43-2	Benzene	1.0 U		25	26.7	107	26.8	107	0	83-124/11
108-86-1	Bromobenzene	1.0 U		25	24.7	99	24.2	97	2	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	24.7	99	24.6	98	0	78-112/10
75-27-4	Bromodichloromethane	1.0 U		25	23.4	94	22.7	91	3	76-116/10
75-25-2	Bromoform	1.0 U		25	16.6	66*	17.2	69	4	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	23.1	92	23.0	92	0	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	24.2	97	24.3	97	0	86-127/10
98-06-6	tert-Butylbenzene	0.28	J	25	24.6	97	24.3	96	1	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	26.4	106	26.0	104	2	87-115/9
75-00-3	Chloroethane	2.0 U		25	28.3	113	27.4	110	3	54-166/20
67-66-3	Chloroform	1.0 U		25	26.0	104	26.4	106	2	85-123/10
95-49-8	o-Chlorotoluene	1.0 U		25	26.6	106	26.0	104	2	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	26.4	106	25.9	104	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	20.8	83	20.2	81	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	25.7	103	24.3	97	6	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	26.1	104	26.4	106	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.1	112	28.6	114	2	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	26.4	106	26.2	105	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	21.4	86	21.8	87	2	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	24.0	96	24.2	97	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	24.3	97	25.0	100	3	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.8	103	26.2	105	2	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	24.5	98	25.0	100	2	81-113/11
108-20-3	Di-Isopropyl ether	1.0 U		25	25.2	101	25.9	104	3	75-125/10
123-91-1	1,4-Dioxane	200 U		500	398	80	433	87	8	59-129/22
594-20-7	2,2-Dichloropropane	1.0 U		25	24.0	96	23.5	94	2	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	21.4	86	20.8	83	3	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U		25	40.5	162*	42.2	169*	4	34-158/22
156-59-2	cis-1,2-Dichloroethylene	39.7		25	75.9	145*	75.8	144*	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	23.5	94	21.8	87	8	83-119/10
541-73-1	m-Dichlorobenzene	1.0 U		25	25.7	103	24.8	99	4	86-115/9

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84702-1MS	J067823.D	1	08/10/11	KW	n/a	n/a	VJ3676
F84702-1MSD	J067824.D	1	08/10/11	KW	n/a	n/a	VJ3676
F84702-1	J067815.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	F84702-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	1.0 U		25	24.7	99	24.3	97	2	85-115/9
106-46-7	p-Dichlorobenzene	1.0 U		25	24.8	99	24.5	98	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	5.3		25	32.5	109	32.4	108	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.9	104	23.6	94	9	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	24.2	97	24.5	98	1	87-118/10
97-63-2	Ethyl methacrylate	5.0 U		25	23.0	92	23.7	95	3	68-110/11
591-78-6	2-Hexanone	10 U		125	126	101	134	107	6	58-125/14
87-68-3	Hexachlorobutadiene	2.0 U		25	23.9	96	24.6	98	3	71-133/12
98-82-8	Isopropylbenzene	1.0 U		25	26.8	107	27.6	110	3	87-131/10
99-87-6	p-Isopropyltoluene	1.0 U		25	24.7	99	23.3	93	6	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0 U		125	146	117	154	123	5	62-125/13
126-98-7	Methacrylonitrile	20 U		250	274	110	285	114	4	62-133/17
74-83-9	Methyl bromide	2.0 U		25	27.6	110	27.3	109	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	30.0	120	31.3	125	4	55-173/22
74-88-4	Methyl iodide	1.0 U		25	25.0	100	25.7	103	3	72-125/11
80-62-6	Methyl methacrylate	72.2		25	164	367* [a]	164	367* [a]	0	63-115/10
74-95-3	Methylene bromide	2.0 U		25	24.4	98	24.1	96	1	81-116/10
75-09-2	Methylene chloride	4.1	J	25	24.0	80	24.1	80	0	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	110	88	118	94	7	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	22.7	91	23.6	94	4	75-116/10
91-20-3	Naphthalene	5.0 U		25	20.4	82	22.9	92	12	59-125/15
76-01-7	Pentachloroethane	10 U		25	27.7	111	26.6	106	4	82-111/8
107-12-0	Propionitrile	20 U		250	244	98	263	105	7	69-119/12
103-65-1	n-Propylbenzene	1.0 U		25	27.3	109	26.8	107	2	86-125/10
100-42-5	Styrene	1.0 U		25	22.0	88	19.8	79	11	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	24.7	99	22.9	92	8	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.1	100	26.0	104	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.5	98	24.7	99	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.5	102	25.1	100	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	23.6	94	26.6	106	12	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0 U		25	23.8	95	23.5	94	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	23.0	92	23.8	95	3	68-123/11
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	22.6	90	21.8	87	4	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	25.7	103	24.9	100	3	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	28.3	113	26.7	107	6	80-131/12
109-99-9	Tetrahydrofuran	5.0 U		25	22.8	91	24.5	98	7	60-125/16

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84702-1MS	J067823.D	1	08/10/11	KW	n/a	n/a	VJ3676
F84702-1MSD	J067824.D	1	08/10/11	KW	n/a	n/a	VJ3676
F84702-1	J067815.D	1	08/10/11	KW	n/a	n/a	VJ3676

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-2, F84758-3, F84758-7, F84758-20, F84758-21, F84758-22, F84758-23, F84758-24, F84758-25, F84758-26, F84758-27, F84758-28, F84758-30

CAS No.	Compound	F84702-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	1.0 U		25	25.2	101	25.7	103	2	86-116/10
79-01-6	Trichloroethylene	1.3		25	28.0	107	29.8	114	6	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	34.3	137	33.1	132	4	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		25	19.0	76	17.8	71	7	51-137/24
75-01-4	Vinyl chloride	0.81	J	25	31.1	121	32.2	126	3	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	71.6	95	70.1	93	2	86-120/10

CAS No.	Surrogate Recoveries	MS	MSD	F84702-1	Limits
1868-53-7	Dibromofluoromethane	100%	100%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	103%	76-127%
2037-26-5	Toluene-D8	103%	102%	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	97%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84991-1MS	H071044.D	1	08/10/11	AH	n/a	n/a	VH2635
F84991-1MSD	H071045.D	1	08/10/11	AH	n/a	n/a	VH2635
F84991-1	H071043.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	F84991-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	40000	U	202000	73100	36*	74900	37*	2	61-144/29
107-02-8	Acrolein	20000	U	202000	600000	297*	557000	276*	7	27-156/39
107-13-1	Acrylonitrile	20000	U	202000	130000	64	141000	70	8	55-144/24
107-05-1	Allyl chloride	20000	U	40400	31200	77	31600	78	1	41-152/24
71-43-2	Benzene	2390	I	40400	40800	95	40900	95	0	78-130/25
108-86-1	Bromobenzene	4000	U	40400	39000	97	38600	96	1	78-123/30
74-97-5	Bromochloromethane	4000	U	40400	36200	90	37600	93	4	72-122/23
75-27-4	Bromodichloromethane	4000	U	40400	39900	99	40400	100	1	73-122/25
75-25-2	Bromoform	4000	U	40400	34200	85	34600	86	1	70-139/26
104-51-8	n-Butylbenzene	4000	U	40400	39100	97	37900	94	3	80-138/31
135-98-8	sec-Butylbenzene	4000	U	40400	36500	90	36300	90	1	82-132/29
98-06-6	tert-Butylbenzene	4000	U	40400	37300	92	36500	90	2	79-130/29
108-90-7	Chlorobenzene	4000	U	40400	40100	99	38900	96	3	83-122/23
75-00-3	Chloroethane	4000	U	40400	35200	87	33400	83	5	61-153/31
67-66-3	Chloroform	4000	U	40400	40500	100	40400	100	0	79-129/27
95-49-8	o-Chlorotoluene	4000	U	40400	37100	92	36400	90	2	77-123/31
106-43-4	p-Chlorotoluene	4000	U	40400	39200	97	38300	95	2	78-129/29
110-75-8	2-Chloroethyl vinyl ether	20000	U	202000	175000	87	181000	90	3	52-142/25
75-15-0	Carbon disulfide	4000	U	40400	29400	73	29500	73	0	61-142/27
56-23-5	Carbon tetrachloride	4000	U	40400	38300	95	37900	94	1	79-135/29
75-34-3	1,1-Dichloroethane	4000	U	40400	36500	90	36900	91	1	77-132/26
75-35-4	1,1-Dichloroethylene	4000	U	40400	37200	92	36500	90	2	66-132/27
563-58-6	1,1-Dichloropropene	4000	U	40400	35400	88	35000	87	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	4000	U	40400	42200	105	43100	107	2	67-129/29
106-93-4	1,2-Dibromoethane	4000	U	40400	36900	91	36100	89	2	77-126/24
107-06-2	1,2-Dichloroethane	4000	U	40400	37300	92	37300	92	0	78-129/24
78-87-5	1,2-Dichloropropane	4000	U	40400	34400	85	35500	88	3	74-127/27
142-28-9	1,3-Dichloropropane	4000	U	40400	36300	90	36500	90	1	78-118/26
108-20-3	Di-Isopropyl ether	4000	U	40400	30100	75	31400	78	4	75-131/24
123-91-1	1,4-Dioxane	160000	U	808000	785000	97	709000	88	10	67-132/38
594-20-7	2,2-Dichloropropane	4000	U	40400	31800	79*	31600	78*	1	80-137/28
124-48-1	Dibromochloromethane	4000	U	40400	37800	94	38800	96	3	78-117/27
75-71-8	Dichlorodifluoromethane	4000	U	40400	51700	128	50500	125	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	4000	U	40400	39200	97	38200	95	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	4000	U	40400	36700	91	37500	93	2	79-130/23
541-73-1	m-Dichlorobenzene	4000	U	40400	38400	95	38100	94	1	82-126/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84991-1MS	H071044.D	1	08/10/11	AH	n/a	n/a	VH2635
F84991-1MSD	H071045.D	1	08/10/11	AH	n/a	n/a	VH2635
F84991-1	H071043.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	F84991-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	4000	U	40400	38000	94	38100	94	0	83-123/28
106-46-7	p-Dichlorobenzene	4000	U	40400	38800	96	38100	94	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	4000	U	40400	34600	86	34700	86	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	4000	U	40400	39300	97	39700	98	1	87-131/27
100-41-4	Ethylbenzene	28700		40400	66700	94	62900	85	6	82-124/25
97-63-2	Ethyl methacrylate	20000	U	40400	35700	88	37000	92	4	78-118/30
591-78-6	2-Hexanone	20000	U	202000	146000	72	147000	73	1	67-130/29
87-68-3	Hexachlorobutadiene	4000	U	40400	32800	81	33400	83	2	77-150/36
98-82-8	Isopropylbenzene	4260		40400	47500	107	46100	104	3	82-133/27
99-87-6	p-Isopropyltoluene	13800		40400	53800	99	50700	91	6	82-132/29
108-10-1	4-Methyl-2-pentanone	20000	U	202000	160000	79	164000	81	2	69-125/24
126-98-7	Methacrylonitrile	20000	U	404000	276000	68*	287000	71	4	70-138/22
74-83-9	Methyl bromide	4000	U	40400	44200	109	39800	99	10	60-146/31
74-87-3	Methyl chloride	4000	U	40400	34500	85	35600	88	3	58-163/26
74-88-4	Methyl iodide	8100	U	40400	37300	92	37700	93	1	66-128/27
80-62-6	Methyl methacrylate	4000	U	40400	32900	81	33800	84	3	73-125/24
74-95-3	Methylene bromide	4000	U	40400	36400	90	37500	93	3	75-128/26
75-09-2	Methylene chloride	4820	I	40400	38500	83	37200	80	3	62-140/25
78-93-3	Methyl ethyl ketone	20000	U	202000	98400	49*	108000	53*	9	66-134/23
1634-04-4	Methyl Tert Butyl Ether	4000	U	40400	33000	82	33300	82	1	70-131/25
91-20-3	Naphthalene	731000	L	40400	670000	-151* [a]	635000	-238* [a]	5	59-143/31
76-01-7	Pentachloroethane	20000	U	40400	39100	97	38700	96	1	64-156/37
107-12-0	Propionitrile	40000	U	404000	276000	68*	262000	65*	5	73-133/23
103-65-1	n-Propylbenzene	1520	I	40400	37800	90	37100	88	2	78-129/29
100-42-5	Styrene	4000	U	40400	39000	97	38400	95	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	4000	U	40400	39500	98	39400	98	0	81-121/25
71-55-6	1,1,1-Trichloroethane	4000	U	40400	39100	97	38600	96	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	4000	U	40400	31500	78	32300	80	3	70-128/30
79-00-5	1,1,2-Trichloroethane	4000	U	40400	36700	91	37200	92	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	4000	U	40400	36900	91	37900	94	3	78-136/34
96-18-4	1,2,3-Trichloropropane	4000	U	40400	32400	80	32400	80	0	74-125/30
120-82-1	1,2,4-Trichlorobenzene	4000	U	40400	38700	96	38100	94	2	82-137/32
95-63-6	1,2,4-Trimethylbenzene	15900		40400	55300	98	52500	91	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	5330		40400	42100	91	41100	89	2	79-129/31
127-18-4	Tetrachloroethylene	4000	U	40400	43700	108	42700	106	2	79-132/27
109-99-9	Tetrahydrofuran	8100	U	40400	26200	65	23800	59*	10	65-137/27

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84758
Account: BMEMOKC Burns & McDonnell Engineering
Project: QAS, 1633 Marsh Ave, Blue Summit, MO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F84991-1MS	H071044.D	1	08/10/11	AH	n/a	n/a	VH2635
F84991-1MSD	H071045.D	1	08/10/11	AH	n/a	n/a	VH2635
F84991-1	H071043.D	1	08/10/11	AH	n/a	n/a	VH2635

The QC reported here applies to the following samples: **Method:** SW846 8260B

F84758-29

CAS No.	Compound	F84991-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	4000 U		40400	35800	89	35900	89	0	80-123/26
79-01-6	Trichloroethylene	4000 U		40400	38500	95	38500	95	0	78-132/28
75-69-4	Trichlorofluoromethane	4000 U		40400	47700	118	45900	114	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	20000 U		40400	27000	67*	26100	65*	3	74-138/30
75-01-4	Vinyl chloride	4000 U		40400	34300	85	33600	83	2	60-145/29
1330-20-7	Xylene (total)	9060	I	121000	123000	94	120000	92	2	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F84991-1	Limits
1868-53-7	Dibromofluoromethane	104%	106%	112%	80-121%
2037-26-5	Toluene-D8	97%	96%	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	94%	110%	77-123%

(a) Outside control limits due to high level in sample relative to spike amount.