Southeast ACCUTEST LABORATORIES

08/17/11

Technical Report for

Burns & McDonnell Engineering

QAS, 1633 Marsh Ave, Blue Summit, MO

54327

Accutest Job Number: F84619

Sampling Dates: 07/25/11 - 07/26/11

Report to:

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Total number of pages in report: **165**

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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.

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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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Sample Summary

Burns & McDonnell Engineering

Job No: F84619

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F84619-1	07/25/11	09:15	KB	07/27/11	SO	Soil	S101 S1
F84619-2	07/25/11	09:15	KB	07/27/11	SO	Soil	S101 S1A
F84619-3	07/25/11	09:20	KB	07/27/11	SO	Soil	S101 S2
F84619-4	07/25/11	09:25	KB	07/27/11	SO	Soil	S101 S3
F84619-5	07/25/11	10:00	KB	07/27/11	SO	Soil	S105 S1
F84619-6	07/25/11	10:05	KB	07/27/11	SO	Soil	S105 S2
F84619-7	07/25/11	10:10	KB	07/27/11	SO	Soil	S105 S3
F84619-8	07/25/11	10:10	KB	07/27/11	SO	Soil	S105 S3A
F84619-9	07/25/11	10:30	KB	07/27/11	SO	Soil	S104 S1
F84619-10	07/25/11	10:35	KB	07/27/11	SO	Soil	S104 S2
F84619-11	07/25/11	10:40	KB	07/27/11	SO	Soil	S104 S3
F84619-12	07/25/11	11:00	KB	07/27/11	SO	Soil	S102 S1
F84619-13	07/25/11	11:05	KB	07/27/11	SO	Soil	S102 S2

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

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Sample Summary
(continued)

Burns & McDonnell Engineering

Job No: F84619

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F84619-14	07/25/11	11:10	KB	07/27/11	SO	Soil	S102 S3
F84619-15	07/25/11	00:00	KB	07/27/11	AQ	Trip Blank Soil	TRIP BLANK
F84619-16	07/25/11	11:25	KB	07/27/11	SO	Soil	S106 S1
F84619-17	07/25/11	11:30	KB	07/27/11	SO	Soil	S106 S2
F84619-18	07/25/11	11:35	KB	07/27/11	SO	Soil	S106 S3
F84619-19	07/25/11	11:55	KB	07/27/11	SO	Soil	S107 S1
F84619-20	07/25/11	12:00	KB	07/27/11	SO	Soil	S107 S2
F84619-21	07/25/11	12:00	KB	07/27/11	SO	Soil	S107 S2A
F84619-22	07/25/11	12:05	KB	07/27/11	SO	Soil	S107 S3
F84619-23	07/25/11	12:30	KB	07/27/11	SO	Soil	S108 S1
F84619-23D	07/25/11	12:30	KB	07/27/11	SO	Soil Dup/MSD	S108 S1
F84619-23S	07/25/11	12:30	KB	07/27/11	SO	Soil Matrix Spike	S108 S1
F84619-24	07/25/11	12:40	KB	07/27/11	SO	Soil	S108 S2

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

Accutest Laboratories

Sample Summary
(continued)

Burns & McDonnell Engineering

Job No: F84619

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F84619-25	07/25/11	12:45	KB	07/27/11	SO	Soil	S108 S3
F84619-26	07/25/11	13:05	KB	07/27/11	SO	Soil	S103 S1
F84619-27	07/25/11	13:10	KB	07/27/11	SO	Soil	S103 S2
F84619-28	07/25/11	13:20	KB	07/27/11	SO	Soil	S103 S3
F84619-28D	07/25/11	13:20	KB	07/27/11	SO	Soil Dup/MSD	S103 S3
F84619-28S	07/25/11	13:20	KB	07/27/11	SO	Soil Matrix Spike	S103 S3
F84619-29	07/26/11	08:50	KB	07/27/11	AQ	Ground Water	DP103 W01
F84619-30	07/26/11	07:50	KB	07/27/11	AQ	Ground Water	DP102 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:** F84619

Site: QAS, 1633 Marsh Ave, Blue Summit, MO **Report Date** 8/17/2011 11:23:46

29 Samples, 1 Trip Blank were collected on between 07/25/2011 and 07/26/2011 and received at Accutest on 07/27/2011 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F84619. 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:** VJ3674

Sample(s) F84700-13MS, F84700-13MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acrolein are outside control limits. Recovered above upper control limit, data integrity not adversely affected.

Matrix Spike Recovery(s) for Bromoform, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene are outside control limits.

Matrix Spike Duplicate Recovery(s) for 1,1,1,2-Tetrachloroethane, 2,2-Dichloropropane, Bromoform, cis-1,3-Dichloropropene, Dibromochloromethane, trans-1,3-Dichloropropene are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

F84619-29: Sample vial(s) contained significante headspace. Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84619-30: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84619-15: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84619-30 for Acrolein: Associated BS recovery outside control limits.

F84619-29 for Acrolein: Associated BS recovery outside control limits.

F84619-15 for Acrolein: Associated BS recovery outside control limits.

Matrix: AQ **Batch ID:** VO88

Sample(s) F84760-10MS, F84760-10MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. See Blank Spike for method performance in clean matrix.

F84619-29: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F84619-15: Sample vial(s) contained significant headspace; reported results are considered minimum values.

F84619-30: Sample vial(s) contained significant headspace; reported results are considered minimum values.

Matrix: SO **Batch ID:** VF1552

All samples were analyzed within the recommended method holding time.

Sample(s) F84488-1MS, F84488-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

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

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF1552

Matrix Spike Duplicate Recovery(s) for 1,1,2-Trichloroethane, 2,2-Dichloropropane, Acetone, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Pentachloroethane, Propionitrile, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. Isopropylbenzene is outside control limits due to high level in sample relative to spike amount. For method performance in clean matrix refer to Blank Spike.

RPD(s) for MSD for Acrolein, Ethyl methacrylate, Pentachloroethane, Tetrachloroethylene are outside control limits for sample F84488-1MSD. Probable cause due to sample homogeneity.

F84619-12: Confirmation run for internal standard areas.

F84619-6 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-9 for Acrolein: Associated BS recovery outside control limits.

F84619-6 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-8 for Acrolein: Associated BS recovery outside control limits.

F84619-9 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-6 for Acrolein: Associated BS recovery outside control limits.

F84619-9 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-10 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-10 for Acrolein: Associated BS recovery outside control limits.

F84619-10 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-11 for Acrolein: Associated BS recovery outside control limits.

F84619-5 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-1 for Acrolein: Associated BS recovery outside control limits.

F84619-11 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-5 for Acrolein: Associated BS recovery outside control limits.

F84619-5 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-4 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-4 for Acrolein: Associated BS recovery outside control limits.

F84619-4 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-3 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-3 for Acrolein: Associated BS recovery outside control limits.

F84619-3 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-2 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-2 for Acrolein: Associated BS recovery outside control limits.

F84619-11 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-1 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-8 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-1 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-2 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

F84619-8 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF1552

F84619-13 for Acrolein: Associated BS recovery outside control limits.

F84619-13 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-13 for 2-Chloroethyl vinyl ether: 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

Matrix: SO **Batch ID:** VF1553

All method blanks for this batch meet method specific criteria.

Sample(s) F84866-8MS, F84866-8MSD were used as the QC samples indicated.

Blank Spike Recovery for Acrolein is outside control limits. Recovered above upper control limit, not detected in the samples. Data ingtegrity not adversely affected.

Matrix Spike Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chloroethyl vinyl ether, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Bromoform, Chlorobenzene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, Methyl iodide, Methylene chloride, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Dichlorobenzene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Styrene, Tetrahydrofuran, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Duplicate Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chloroethyl vinyl ether, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Bromobenzene, Bromoform, Carbon tetrachloride, Chlorobenzene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethyl methacrylate, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, Methyl iodide, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Styrene, Tetrachloroethylene, Tetrahydrofuran, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene, Xylene (total) are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 1,2,4-Trimethylbenzene, Methylene chloride are outside control limits for sample F84866-8MSD. Probable cause due to sample homogeneity.

F84619-7 for Acetone: CCV outside of control limits.

F84619-7 for Acrolein: Associated BS recovery outside control limits.

F84619-12 for Acrolein: Associated BS recovery outside control limits.

Matrix: SO **Batch ID:** VG2765

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F84619-28MS, F84619-28MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Dibromochloromethane, Ethyl methacrylate, Ethylbenzene, Hexachlorobutadiene, m-Dichlorobenzene, Methacrylonitrile, Methyl bromide, Methyl ethyl ketone, Methyl methacrylate, Methyl Tert Butyl Ether, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene, Xylene (total) are outside control limits.

Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Di-Isopropyl ether, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Methyl Tert Butyl Ether, n-Butylbenzene, n-Propylbenzene, o-Dichlorobenzene, p-Dichlorobenzene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, tert-Butylbenzene, Tetrahydrofuran, Toluene, trans-1,3-Dichloropropene, 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 .

F84619-27 for Acetone: Associated ICV and BS outside control limits.

F84619-26 for Methyl bromide: Initial calibration not valid for this compound.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2765

F84619-26 for Chloroethane: CCV outside of control limits.

F84619-28 for Methyl bromide: Initial calibration not valid for this compound.

F84619-27 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-26 for Acetone: Associated ICV and BS outside control limits.

F84619-27 for Chloroethane: CCV outside of control limits.

F84619-27 for Carbon disulfide: ICV outside of control limits.

F84619-27 for Methyl bromide: Initial calibration not valid for this compound.

F84619-28 for Acetone: Associated ICV and BS outside control limits.

F84619-28 for Chloroethane: CCV outside of control limits.

F84619-26 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-28 for Carbon disulfide: ICV outside of control limits.

F84619-24 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-28 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-25 for Carbon disulfide: ICV outside of control limits.

F84619-24 for Methyl bromide: Initial calibration not valid for this compound.

F84619-25 for Acetone: Associated ICV and BS outside control limits.

F84619-25 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-25 for Chloroethane: CCV outside of control limits.

F84619-22 for Methyl bromide: Initial calibration not valid for this compound.

F84619-22 for Carbon disulfide: ICV outside of control limits.

F84619-22 for Chloroethane: CCV outside of control limits.

F84619-22 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-26 for Carbon disulfide: ICV outside of control limits.

F84619-24 for Chloroethane: CCV outside of control limits.

F84619-24 for Acetone: Associated ICV and BS outside control limits.

F84619-24 for Carbon disulfide: ICV outside of control limits.

F84619-22 for Acetone: Associated ICV and BS outside control limits.

F84619-20 for Methyl bromide: Initial calibration not valid for this compound.

F84619-20 for Acetone: Associated ICV and BS outside control limits.

F84619-20 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-20 for Chloroethane: CCV outside of control limits.

F84619-20 for Carbon disulfide: ICV outside of control limits.

F84619-25 for Methyl bromide: Initial calibration not valid for this compound.

F84619-21 for Acetone: Associated ICV and BS outside control limits.

F84619-21 for 1,2,3-Trichlorobenzene: CCV outside of control limits.

F84619-21 for Chloroethane: CCV outside of control limits.

F84619-21 for Carbon disulfide: ICV outside of control limits.

F84619-21 for Methyl bromide: Initial calibration not valid for this compound.

Matrix: SO **Batch ID:** VG2766

All samples were analyzed within the recommended method holding time.

Sample(s) F84619-14MS, F84619-14MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2766

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 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Acrylonitrile, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Dibromochloromethane, Ethyl methacrylate, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, Methyl Tert Butyl Ether, Methylene bromide, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene, Xylene (total) are outside control limits.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, n-Butylbenzene, n-Propylbenzene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, tert-Butylbenzene, Tetrahydrofuran, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for Acrolein are outside control limits for sample F84619-14MSD.

F84619-18 for Carbon disulfide: ICV outside of control limits.

F84619-18 for Acetone: Associated ICV and BS outside control limits.

F84619-19 for Acetone: Associated ICV and BS outside control limits.

F84619-18 for Methyl bromide: Initial calibration not valid for this compound.

F84619-19 for Acrolein: Associated BS recovery outside control limits.

F84619-19 for Methyl bromide: Initial calibration not valid for this compound.

F84619-19 for Carbon disulfide: ICV outside of control limits.

F84619-18 for Acrolein: Associated BS recovery outside control limits.

F84619-16 for Carbon disulfide: ICV outside of control limits.

F84619-14 for Acrolein: Associated BS recovery outside control limits.

F84619-14 for Carbon disulfide: ICV outside of control limits.

F84619-14 for Methyl bromide: Initial calibration not valid for this compound.

F84619-14 for Acetone: Associated ICV and BS outside control limits.

F84619-16 for Acetone: Associated ICV and BS outside control limits.

F84619-16 for Methyl bromide: Initial calibration not valid for this compound.

F84619-17 for Acrolein: Associated BS recovery outside control limits.

F84619-17 for Carbon disulfide: ICV outside of control limits.

F84619-17 for Methyl bromide: Initial calibration not valid for this compound.

F84619-16 for Acrolein: Associated BS recovery outside control limits.

F84619-17 for Acetone: Associated ICV and BS outside control limits.

Matrix: SO **Batch ID:** VH2631

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F84619-23MS, F84619-23MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Dichlorodifluoromethane, Methylene chloride are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Chloroethane, cis-1,2-Dichloroethylene, Dichlorodifluoromethane, Ethyl methacrylate, Methacrylonitrile, Methyl bromide, Methyl ethyl ketone, Naphthalene, Propionitrile, Tetrahydrofuran, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane are outside control limits.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VH2631

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Acrolein, Chloroethane, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Methacrylonitrile, Methyl bromide, Methyl ethyl ketone, Naphthalene, Propionitrile, Tetrahydrofuran, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference.

F84619-23 for Methyl bromide: Initial calibration not valid for this compound.

F84619-23 for Acetone: Associated ICV and BS outside control limits.

F84619-23 for Methylene chloride: Associated BS recovery outside control limits.

F84619-23 for Dichlorodifluoromethane: Associated BS recovery outside control limits.

F84619-23 for Acrolein: Associated BS recovery outside control limits.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN45736

Sample(s) F84619-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN45737

Sample(s) F84619-23DUP 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 17, 2011

Svetlana Izosimova, QA Officer (signature on file)

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	S101 S1		
Lab Sample ID:	F84619-1	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	72.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051271.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	4.89 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	70	28	ug/kg	
107-02-8	Acrolein [a]	ND	35	15	ug/kg	
107-13-1	Acrylonitrile	ND	35	16	ug/kg	
107-05-1	Allyl chloride	ND	35	7.0	ug/kg	
71-43-2	Benzene	ND	7.0	2.1	ug/kg	
108-86-1	Bromobenzene	ND	7.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	7.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	1.5	ug/kg	
75-25-2	Bromoform	ND	7.0	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	7.0	1.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.0	2.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.0	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.0	2.8	ug/kg	
67-66-3	Chloroform	ND	7.0	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.0	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.0	1.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	35	14	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.0	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.0	3.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.0	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.0	1.4	ug/kg	
123-91-1	1,4-Dioxane	ND	280	79	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	1.4	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:	S101 S1		
Lab Sample ID:	F84619-1	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	72.8
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	7.0	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.0	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.0	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.0	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	1.4	ug/kg	
97-63-2	Ethyl methacrylate	ND	35	7.0	ug/kg	
591-78-6	2-Hexanone	ND	35	7.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.0	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	7.0	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.0	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	7.7	ug/kg	
126-98-7	Methacrylonitrile	ND	35	13	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
74-88-4	Methyl iodide	ND	14	1.5	ug/kg	
80-62-6	Methyl methacrylate	ND	7.0	2.5	ug/kg	
74-95-3	Methylene bromide	ND	7.0	2.1	ug/kg	
75-09-2	Methylene chloride	ND	14	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	8.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.0	2.8	ug/kg	
91-20-3	Naphthalene	ND	7.0	2.8	ug/kg	
76-01-7	Pentachloroethane	ND	35	7.0	ug/kg	
107-12-0	Propionitrile	ND	70	22	ug/kg	
103-65-1	n-Propylbenzene	ND	7.0	2.0	ug/kg	
100-42-5	Styrene	ND	7.0	3.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.0	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.0	1.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	1.4	ug/kg	
109-99-9	Tetrahydrofuran	ND	14	5.3	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:	S101 S1		
Lab Sample ID:	F84619-1	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	72.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	7.0	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	7.0	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	2.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	35	7.0	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.1	ug/kg	
1330-20-7	Xylene (total)	ND	21	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S101 S1A		
Lab Sample ID:	F84619-2	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051272.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	4.78 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	25	ug/kg	
107-02-8	Acrolein [a]	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	14	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	ND	6.3	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.8	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.4	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	250	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	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:	S101 S1A		
Lab Sample ID:	F84619-2	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.1
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	6.3	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	13	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.3	2.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	7.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.8	ug/kg	
100-42-5	Styrene	ND	6.3	3.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	4.8	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:	S101 S1A		
Lab Sample ID:	F84619-2	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S101 S2		
Lab Sample ID:	F84619-3	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.5
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051273.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.08 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	25	ug/kg	
107-02-8	Acrolein [a]	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	14	ug/kg	
107-05-1	Allyl chloride	ND	31	6.2	ug/kg	
71-43-2	Benzene	ND	6.2	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.4	ug/kg	
75-25-2	Bromoform	ND	6.2	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.5	ug/kg	
67-66-3	Chloroform	ND	6.2	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	31	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.2	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	250	70	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	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:	S101 S2		
Lab Sample ID:	F84619-3	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.5
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	6.2	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	31	11	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	12	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.2	2.2	ug/kg	
74-95-3	Methylene bromide	ND	6.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	12	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	7.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.2	ug/kg	
107-12-0	Propionitrile	ND	62	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.7	ug/kg	
100-42-5	Styrene	ND	6.2	3.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.7	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:	S101 S2		
Lab Sample ID:	F84619-3	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.5
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.2	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	101%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S101 S3		
Lab Sample ID:	F84619-4	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051274.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.28 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	24	ug/kg	
107-02-8	Acrolein [a]	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	14	ug/kg	
107-05-1	Allyl chloride	ND	30	6.1	ug/kg	
71-43-2	Benzene	ND	6.1	1.8	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.3	ug/kg	
75-25-2	Bromoform	ND	6.1	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	2.4	ug/kg	
67-66-3	Chloroform	ND	6.1	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.1	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	68	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	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:	S101 S3		
Lab Sample ID:	F84619-4	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.1
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	6.1	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	30	11	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	6.1	2.2	ug/kg	
74-95-3	Methylene bromide	ND	6.1	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	7.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	2.4	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.1	ug/kg	
107-12-0	Propionitrile	ND	61	19	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.7	ug/kg	
100-42-5	Styrene	ND	6.1	3.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.6	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:	S101 S3		
Lab Sample ID:	F84619-4	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.1	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.1	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S105 S1		
Lab Sample ID:	F84619-5	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.5
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051275.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.22 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	24	ug/kg	
107-02-8	Acrolein [a]	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	13	ug/kg	
107-05-1	Allyl chloride	ND	29	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.8	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.3	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	2.4	ug/kg	
67-66-3	Chloroform	ND	5.9	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	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:	S105 S1		
Lab Sample ID:	F84619-5	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.5
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	5.9	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.9	ug/kg	
591-78-6	2-Hexanone	ND	29	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.9	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	7.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	2.4	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	19	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.6	ug/kg	
100-42-5	Styrene	ND	5.9	3.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.5	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:	S105 S1		
Lab Sample ID:	F84619-5	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.5
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.9	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	104%		71-130%
460-00-4	4-Bromofluorobenzene	108%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S105 S2		
Lab Sample ID:	F84619-6	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	77.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051276.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.57 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	23	ug/kg	
107-02-8	Acrolein [a]	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	13	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.7	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.3	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.8	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	230	65	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	1.2	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:	S105 S2		
Lab Sample ID:	F84619-6	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	77.8
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	5.8	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
591-78-6	2-Hexanone	ND	29	6.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.8	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	7.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.6	ug/kg	
100-42-5	Styrene	ND	5.8	3.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.4	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:	S105 S2		
Lab Sample ID:	F84619-6	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	77.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S105 S3		
Lab Sample ID:	F84619-7	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051294.D	1	08/08/11	SH	n/a	n/a	VF1553
Run #2							

	Initial Weight
Run #1	5.05 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	63	25	ug/kg	
107-02-8	Acrolein [b]	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	14	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	ND	6.3	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.8	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.4	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [c]	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	250	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	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:	S105 S3		
Lab Sample ID:	F84619-7	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	6.3	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	1.5	6.3	1.4	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	6.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	13	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.3	2.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	7.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.8	ug/kg	
100-42-5	Styrene	ND	6.3	3.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	4.8	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:	S105 S3		
Lab Sample ID:	F84619-7	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	93%		77-123%

(a) CCV outside of control limits.
(b) Associated BS recovery outside control limits.
(c) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S105 S3A		
Lab Sample ID:	F84619-8	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.9
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051278.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.30 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	25	ug/kg	
107-02-8	Acrolein [a]	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	14	ug/kg	
107-05-1	Allyl chloride	ND	31	6.2	ug/kg	
71-43-2	Benzene	ND	6.2	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.4	ug/kg	
75-25-2	Bromoform	ND	6.2	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.5	ug/kg	
67-66-3	Chloroform	ND	6.2	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	31	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.2	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	250	70	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	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:	S105 S3A		
Lab Sample ID:	F84619-8	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.9
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	6.2	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	31	11	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	12	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.2	2.2	ug/kg	
74-95-3	Methylene bromide	ND	6.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	12	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	7.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.2	ug/kg	
107-12-0	Propionitrile	ND	62	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.7	ug/kg	
100-42-5	Styrene	ND	6.2	3.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.7	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:	S105 S3A		
Lab Sample ID:	F84619-8	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.9
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.2	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S104 S1		
Lab Sample ID:	F84619-9	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051279.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	4.99 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	25	ug/kg	
107-02-8	Acrolein [a]	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	14	ug/kg	
107-05-1	Allyl chloride	ND	31	6.2	ug/kg	
71-43-2	Benzene	ND	6.2	1.8	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.4	ug/kg	
75-25-2	Bromoform	ND	6.2	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.5	ug/kg	
67-66-3	Chloroform	ND	6.2	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	31	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.2	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	250	70	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	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:	S104 S1		
Lab Sample ID:	F84619-9	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.3
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	6.2	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	31	11	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	12	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.2	2.2	ug/kg	
74-95-3	Methylene bromide	ND	6.2	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	7.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.2	ug/kg	
107-12-0	Propionitrile	ND	62	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.7	ug/kg	
100-42-5	Styrene	ND	6.2	3.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.7	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:	S104 S1		
Lab Sample ID:	F84619-9	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.2	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	102%		71-130%
460-00-4	4-Bromofluorobenzene	116%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S104 S2		
Lab Sample ID:	F84619-10	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	77.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051280.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.02 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	26	ug/kg	
107-02-8	Acrolein [a]	ND	32	14	ug/kg	
107-13-1	Acrylonitrile	ND	32	15	ug/kg	
107-05-1	Allyl chloride	ND	32	6.4	ug/kg	
71-43-2	Benzene	ND	6.4	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.8	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.4	ug/kg	
75-25-2	Bromoform	ND	6.4	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	2.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	2.6	ug/kg	
67-66-3	Chloroform	ND	6.4	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	32	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.4	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	260	73	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	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:	S104 S2		
Lab Sample ID:	F84619-10	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	77.4
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	6.4	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	32	6.4	ug/kg	
591-78-6	2-Hexanone	ND	32	6.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	32	12	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	13	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.4	2.3	ug/kg	
74-95-3	Methylene bromide	ND	6.4	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	7.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	2.6	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.6	ug/kg	
76-01-7	Pentachloroethane	ND	32	6.4	ug/kg	
107-12-0	Propionitrile	ND	64	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.8	ug/kg	
100-42-5	Styrene	ND	6.4	3.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	4.9	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:	S104 S2		
Lab Sample ID:	F84619-10	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	77.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.4	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32	6.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	101%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S104 S3		
Lab Sample ID:	F84619-11	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	76.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051281.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	4.52 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	72	29	ug/kg	
107-02-8	Acrolein [a]	ND	36	16	ug/kg	
107-13-1	Acrylonitrile	ND	36	16	ug/kg	
107-05-1	Allyl chloride	ND	36	7.2	ug/kg	
71-43-2	Benzene	ND	7.2	2.2	ug/kg	
108-86-1	Bromobenzene	ND	7.2	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	7.2	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	1.6	ug/kg	
75-25-2	Bromoform	ND	7.2	2.2	ug/kg	
104-51-8	n-Butylbenzene	ND	7.2	1.9	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.2	2.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.2	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.2	2.9	ug/kg	
67-66-3	Chloroform	ND	7.2	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.2	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.2	1.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	36	14	ug/kg	
75-15-0	Carbon disulfide	ND	7.2	2.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.2	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.2	1.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.2	3.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.2	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.2	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.2	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.2	1.4	ug/kg	
123-91-1	1,4-Dioxane	ND	290	81	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.2	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	1.4	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:	S104 S3		
Lab Sample ID:	F84619-11	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	76.7
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	7.2	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.2	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.2	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.2	1.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.2	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.2	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	1.6	ug/kg	
100-41-4	Ethylbenzene	ND	7.2	1.4	ug/kg	
97-63-2	Ethyl methacrylate	ND	36	7.2	ug/kg	
591-78-6	2-Hexanone	ND	36	7.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.2	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	7.2	1.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.2	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	36	7.9	ug/kg	
126-98-7	Methacrylonitrile	ND	36	13	ug/kg	
74-83-9	Methyl bromide	ND	7.2	2.9	ug/kg	
74-87-3	Methyl chloride	ND	7.2	2.9	ug/kg	
74-88-4	Methyl iodide	ND	14	1.6	ug/kg	
80-62-6	Methyl methacrylate	ND	7.2	2.6	ug/kg	
74-95-3	Methylene bromide	ND	7.2	2.2	ug/kg	
75-09-2	Methylene chloride	ND	14	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	36	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.2	2.9	ug/kg	
91-20-3	Naphthalene	ND	7.2	2.9	ug/kg	
76-01-7	Pentachloroethane	ND	36	7.2	ug/kg	
107-12-0	Propionitrile	ND	72	23	ug/kg	
103-65-1	n-Propylbenzene	ND	7.2	2.0	ug/kg	
100-42-5	Styrene	ND	7.2	3.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.2	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	1.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	1.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.2	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.2	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.2	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.2	1.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.2	1.4	ug/kg	
109-99-9	Tetrahydrofuran	ND	14	5.5	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:	S104 S3		
Lab Sample ID:	F84619-11	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	76.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	7.2	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	7.2	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.2	2.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	36	7.2	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	22	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S102 S1		
Lab Sample ID:	F84619-12	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051295.D	1	08/08/11	SH	n/a	n/a	VF1553
Run #2 [a]	F051282.D	1	08/05/11	WV	n/a	n/a	VF1552

	Initial Weight
Run #1	4.15 g
Run #2	4.50 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	80	32	ug/kg	
107-02-8	Acrolein [b]	ND	40	18	ug/kg	
107-13-1	Acrylonitrile	ND	40	18	ug/kg	
107-05-1	Allyl chloride	ND	40	8.0	ug/kg	
71-43-2	Benzene	ND	8.0	2.4	ug/kg	
108-86-1	Bromobenzene	ND	8.0	2.2	ug/kg	
74-97-5	Bromochloromethane	ND	8.0	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	8.0	1.8	ug/kg	
75-25-2	Bromoform	ND	8.0	2.4	ug/kg	
104-51-8	n-Butylbenzene	ND	8.0	2.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.0	2.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.0	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	8.0	1.6	ug/kg	
75-00-3	Chloroethane	ND	8.0	3.2	ug/kg	
67-66-3	Chloroform	ND	8.0	1.9	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.0	1.9	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.0	1.9	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [c]	ND	40	16	ug/kg	
75-15-0	Carbon disulfide	ND	8.0	3.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.0	2.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.0	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.0	2.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.0	2.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	8.0	3.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	8.0	1.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.0	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.0	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.0	1.6	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.0	1.6	ug/kg	
123-91-1	1,4-Dioxane	ND	320	90	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.0	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	8.0	1.6	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:	S102 S1		
Lab Sample ID:	F84619-12	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	8.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.0	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.0	1.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.0	1.9	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.0	1.8	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.0	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.0	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8.0	1.8	ug/kg	
100-41-4	Ethylbenzene	ND	8.0	1.6	ug/kg	
97-63-2	Ethyl methacrylate	ND	40	8.0	ug/kg	
591-78-6	2-Hexanone	ND	40	8.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	8.0	3.2	ug/kg	
98-82-8	Isopropylbenzene	ND	8.0	1.8	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.0	1.9	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	40	8.8	ug/kg	
126-98-7	Methacrylonitrile	ND	40	15	ug/kg	
74-83-9	Methyl bromide	ND	8.0	3.2	ug/kg	
74-87-3	Methyl chloride	ND	8.0	3.2	ug/kg	
74-88-4	Methyl iodide	ND	16	1.8	ug/kg	
80-62-6	Methyl methacrylate	ND	8.0	2.9	ug/kg	
74-95-3	Methylene bromide	ND	8.0	2.4	ug/kg	
75-09-2	Methylene chloride	ND	16	7.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	40	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.0	3.2	ug/kg	
91-20-3	Naphthalene	ND	8.0	3.2	ug/kg	
76-01-7	Pentachloroethane	ND	40	8.0	ug/kg	
107-12-0	Propionitrile	ND	80	25	ug/kg	
103-65-1	n-Propylbenzene	ND	8.0	2.2	ug/kg	
100-42-5	Styrene	ND	8.0	4.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	8.0	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.0	1.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.0	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.0	1.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.0	1.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	8.0	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.0	1.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.0	1.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.0	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.0	1.6	ug/kg	
109-99-9	Tetrahydrofuran	ND	16	6.1	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:	S102 S1		
Lab Sample ID:	F84619-12	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	8.0	1.9	ug/kg	
79-01-6	Trichloroethylene	ND	8.0	1.9	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.0	3.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	40	8.0	ug/kg	
75-01-4	Vinyl chloride	ND	8.0	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	24	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%	105%	80-121%
2037-26-5	Toluene-D8	104%	107%	71-130%
460-00-4	4-Bromofluorobenzene	116%	121%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	106%	77-123%

(a) Confirmation run for internal standard areas.
(b) Associated BS recovery outside control limits.
(c) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S102 S2		
Lab Sample ID:	F84619-13	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	76.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F051283.D	1	08/05/11	WV	n/a	n/a	VF1552
Run #2							

	Initial Weight
Run #1	5.37 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	24	ug/kg	
107-02-8	Acrolein [a]	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	14	ug/kg	
107-05-1	Allyl chloride	ND	30	6.1	ug/kg	
71-43-2	Benzene	ND	6.1	1.8	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.3	ug/kg	
75-25-2	Bromoform	ND	6.1	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	2.4	ug/kg	
67-66-3	Chloroform	ND	6.1	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether [b]	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.1	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	68	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	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:	S102 S2		
Lab Sample ID:	F84619-13	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	76.8
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	6.1	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	30	11	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	6.1	2.2	ug/kg	
74-95-3	Methylene bromide	ND	6.1	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	7.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	2.4	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.1	ug/kg	
107-12-0	Propionitrile	ND	61	19	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.7	ug/kg	
100-42-5	Styrene	ND	6.1	3.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.6	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:	S102 S2		
Lab Sample ID:	F84619-13	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	76.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.1	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.1	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Associated BS recovery outside control limits.
(b) 2-Chloroethyl vinyl ether was not reportable due to active sites caused by the analysis of bisulfate preserved samples.

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:	S102 S3		
Lab Sample ID:	F84619-14	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074089.D	1	08/05/11	EP	n/a	n/a	VG2766
Run #2							

	Initial Weight
Run #1	4.91 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	67	27	ug/kg	
107-02-8	Acrolein [b]	ND	34	15	ug/kg	
107-13-1	Acrylonitrile	ND	34	15	ug/kg	
107-05-1	Allyl chloride	ND	34	6.7	ug/kg	
71-43-2	Benzene	ND	6.7	2.0	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.9	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.5	ug/kg	
75-25-2	Bromoform	ND	6.7	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	2.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	2.7	ug/kg	
67-66-3	Chloroform	ND	6.7	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	34	13	ug/kg	
75-15-0	Carbon disulfide [c]	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.9	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.7	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.7	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	270	76	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	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:	S102 S3		
Lab Sample ID:	F84619-14	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	6.7	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	34	6.7	ug/kg	
591-78-6	2-Hexanone	ND	34	7.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	34	12	ug/kg	
74-83-9	Methyl bromide [d]	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	13	1.5	ug/kg	
80-62-6	Methyl methacrylate	ND	6.7	2.4	ug/kg	
74-95-3	Methylene bromide	ND	6.7	2.0	ug/kg	
75-09-2	Methylene chloride	ND	13	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	2.7	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
76-01-7	Pentachloroethane	ND	34	6.7	ug/kg	
107-12-0	Propionitrile	ND	67	21	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.9	ug/kg	
100-42-5	Styrene	ND	6.7	3.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	5.1	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:	S102 S3		
Lab Sample ID:	F84619-14	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.7	1.6	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	34	6.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	20	4.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Associated BS recovery outside control limits.
(c) ICV outside of control limits.
(d) 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:	TRIP BLANK		
Lab Sample ID:	F84619-15	**Date Sampled:**	07/25/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	07/27/11
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]	J067742.D	1	08/08/11	KW	n/a	n/a	VJ3674
Run #2 [a]	O1811.D	1	08/08/11	KW	n/a	n/a	VO88

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

VOA 8260 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 [c]	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 [c]	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:	F84619-15	**Date Sampled:**	07/25/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	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:	F84619-15	**Date Sampled:**	07/25/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA 8260 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%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	76-127%
2037-26-5	Toluene-D8	102%	105%	86-112%
460-00-4	4-Bromofluorobenzene	96%	107%	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

Report of Analysis

Client Sample ID:	S106 S1		
Lab Sample ID:	F84619-16	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074090.D	1	08/06/11	EP	n/a	n/a	VG2766
Run #2							

	Initial Weight
Run #1	5.16 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	58	23	ug/kg	
107-02-8	Acrolein [b]	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	13	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.7	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.3	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.8	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	230	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	1.2	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:	S106 S1		
Lab Sample ID:	F84619-16	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.8	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
591-78-6	2-Hexanone	ND	29	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	11	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.8	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	7.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.6	ug/kg	
100-42-5	Styrene	ND	5.8	3.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.4	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:	S106 S1		
Lab Sample ID:	F84619-16	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	85%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Associated BS recovery outside control limits.
(c) ICV outside of control limits.
(d) 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:	S106 S2		
Lab Sample ID:	F84619-17	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074091.D	1	08/06/11	EP	n/a	n/a	VG2766
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	58	23	ug/kg	
107-02-8	Acrolein [b]	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	13	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.7	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.3	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.8	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	230	65	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	1.2	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:	S106 S2		
Lab Sample ID:	F84619-17	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.8	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
591-78-6	2-Hexanone	ND	29	6.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	29	11	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.8	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	7.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.6	ug/kg	
100-42-5	Styrene	ND	5.8	3.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.4	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:	S106 S2		
Lab Sample ID:	F84619-17	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Associated BS recovery outside control limits.
(c) ICV outside of control limits.
(d) 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:	S106 S3		
Lab Sample ID:	F84619-18	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074092.D	1	08/06/11	EP	n/a	n/a	VG2766
Run #2							

	Initial Weight
Run #1	5.27 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	63	25	ug/kg	
107-02-8	Acrolein [b]	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	14	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	ND	6.3	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.8	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.4	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	13	ug/kg	
75-15-0	Carbon disulfide [c]	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	250	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	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:	S106 S3		
Lab Sample ID:	F84619-18	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	6.3	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	31	12	ug/kg	
74-83-9	Methyl bromide [d]	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	13	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.3	2.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	7.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.8	ug/kg	
100-42-5	Styrene	ND	6.3	3.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	4.8	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:	S106 S3		
Lab Sample ID:	F84619-18	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	75.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Associated BS recovery outside control limits.
(c) ICV outside of control limits.
(d) 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:	S107 S1		
Lab Sample ID:	F84619-19	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	87.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074093.D	1	08/06/11	EP	n/a	n/a	VG2766
Run #2							

	Initial Weight
Run #1	4.85 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	27.1	59	24	ug/kg	J
107-02-8	Acrolein [b]	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	13	ug/kg	
107-05-1	Allyl chloride	ND	30	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.8	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.3	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	2.4	ug/kg	
67-66-3	Chloroform	ND	5.9	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	67	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	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:	S107 S1		
Lab Sample ID:	F84619-19	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	87.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.9	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	5.9	ug/kg	
591-78-6	2-Hexanone	ND	30	6.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	30	11	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.9	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	7.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	2.4	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	19	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.7	ug/kg	
100-42-5	Styrene	ND	5.9	3.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.5	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:	S107 S1		
Lab Sample ID:	F84619-19	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	87.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.9	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Associated BS recovery outside control limits.
(c) ICV outside of control limits.
(d) 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:	S107 S2		
Lab Sample ID:	F84619-20	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074073.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	4.96 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	63	25	ug/kg	
107-02-8	Acrolein	ND	32	14	ug/kg	
107-13-1	Acrylonitrile	ND	32	14	ug/kg	
107-05-1	Allyl chloride	ND	32	6.3	ug/kg	
71-43-2	Benzene	ND	6.3	1.9	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.8	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.4	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane [b]	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32	13	ug/kg	
75-15-0	Carbon disulfide [c]	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	250	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	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:	S107 S2		
Lab Sample ID:	F84619-20	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	6.3	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	32	6.3	ug/kg	
591-78-6	2-Hexanone	ND	32	6.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	32	12	ug/kg	
74-83-9	Methyl bromide [d]	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	13	1.4	ug/kg	
80-62-6	Methyl methacrylate	ND	6.3	2.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	7.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	32	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	20	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.8	ug/kg	
100-42-5	Styrene	ND	6.3	3.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	6.3	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	4.8	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:	S107 S2		
Lab Sample ID:	F84619-20	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S107 S2A		
Lab Sample ID:	F84619-21	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074074.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	5.59 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	56	23	ug/kg	
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	13	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.7	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.2	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane [b]	ND	5.6	2.3	ug/kg	
67-66-3	Chloroform	ND	5.6	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.6	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.6	1.1	ug/kg	
123-91-1	1,4-Dioxane	ND	230	64	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	1.1	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:	S107 S2A		
Lab Sample ID:	F84619-21	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.6	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
591-78-6	2-Hexanone	ND	28	6.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	10	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.6	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.3	ug/kg	
74-88-4	Methyl iodide	ND	11	1.2	ug/kg	
80-62-6	Methyl methacrylate	ND	5.6	2.0	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	6.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.6	ug/kg	
100-42-5	Styrene	ND	5.6	2.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.6	1.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
109-99-9	Tetrahydrofuran	ND	11	4.3	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:	S107 S2A		
Lab Sample ID:	F84619-21	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.6	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S107 S3		
Lab Sample ID:	F84619-22	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074075.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	5.36 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	59	24	ug/kg	
107-02-8	Acrolein	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	14	ug/kg	
107-05-1	Allyl chloride	ND	30	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.8	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.3	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane [b]	ND	5.9	2.4	ug/kg	
67-66-3	Chloroform	ND	5.9	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	67	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	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:	S107 S3		
Lab Sample ID:	F84619-22	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.9	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	5.9	ug/kg	
591-78-6	2-Hexanone	ND	30	6.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	30	11	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.9	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	7.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	2.4	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	19	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.7	ug/kg	
100-42-5	Styrene	ND	5.9	3.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.9	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.5	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:	S107 S3		
Lab Sample ID:	F84619-22	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.4
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.9	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S108 S1		
Lab Sample ID:	F84619-23	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	72.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H070926.D	1	08/05/11	AH	n/a	n/a	VH2631
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	69	28	ug/kg	
107-02-8	Acrolein [b]	ND	35	15	ug/kg	
107-13-1	Acrylonitrile	ND	35	16	ug/kg	
107-05-1	Allyl chloride	ND	35	6.9	ug/kg	
71-43-2	Benzene	ND	6.9	2.1	ug/kg	
108-86-1	Bromobenzene	ND	6.9	1.9	ug/kg	
74-97-5	Bromochloromethane	ND	6.9	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	1.5	ug/kg	
75-25-2	Bromoform	ND	6.9	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	6.9	1.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.9	2.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.9	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.9	2.8	ug/kg	
67-66-3	Chloroform	ND	6.9	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.9	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.9	1.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	35	14	ug/kg	
75-15-0	Carbon disulfide	ND	6.9	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	1.9	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.9	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.9	3.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.9	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.9	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.9	1.4	ug/kg	
123-91-1	1,4-Dioxane	ND	280	78	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.9	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	1.4	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:	S108 S1		
Lab Sample ID:	F84619-23	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	72.1
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	6.9	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.9	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.9	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.9	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	1.4	ug/kg	
97-63-2	Ethyl methacrylate	ND	35	6.9	ug/kg	
591-78-6	2-Hexanone	ND	35	7.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.9	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	6.9	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.9	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	7.6	ug/kg	
126-98-7	Methacrylonitrile	ND	35	13	ug/kg	
74-83-9	Methyl bromide [c]	ND	6.9	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.9	2.8	ug/kg	
74-88-4	Methyl iodide	ND	14	1.5	ug/kg	
80-62-6	Methyl methacrylate	ND	6.9	2.5	ug/kg	
74-95-3	Methylene bromide	ND	6.9	2.1	ug/kg	
75-09-2	Methylene chloride [b]	ND	14	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.9	2.8	ug/kg	
91-20-3	Naphthalene	ND	6.9	2.8	ug/kg	
76-01-7	Pentachloroethane	ND	35	6.9	ug/kg	
107-12-0	Propionitrile	ND	69	22	ug/kg	
103-65-1	n-Propylbenzene	ND	6.9	1.9	ug/kg	
100-42-5	Styrene	ND	6.9	3.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.9	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.9	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.9	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.9	1.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	1.4	ug/kg	
109-99-9	Tetrahydrofuran	ND	14	5.3	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:	S108 S1		
Lab Sample ID:	F84619-23	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	72.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.9	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	6.9	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.9	2.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	35	6.9	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	2.1	ug/kg	
1330-20-7	Xylene (total)	ND	21	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	116%		77-123%

(a) Associated ICV and BS outside control limits.
(b) Associated BS recovery outside control limits.
(c) 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:	S108 S2		
Lab Sample ID:	F84619-24	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074076.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	5.20 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	58	23	ug/kg	
107-02-8	Acrolein	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	13	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.7	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.3	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane [b]	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.8	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	230	65	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	1.2	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:	S108 S2		
Lab Sample ID:	F84619-24	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.8	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
591-78-6	2-Hexanone	ND	29	6.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	11	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.8	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	7.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.6	ug/kg	
100-42-5	Styrene	ND	5.8	3.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.8	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.4	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:	S108 S2		
Lab Sample ID:	F84619-24	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S108 S3		
Lab Sample ID:	F84619-25	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.6
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074077.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	59	23	ug/kg	
107-02-8	Acrolein	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	13	ug/kg	
107-05-1	Allyl chloride	ND	29	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.8	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.3	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane [b]	ND	5.9	2.3	ug/kg	
67-66-3	Chloroform	ND	5.9	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.9	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	230	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	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:	S108 S3		
Lab Sample ID:	F84619-25	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.6
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.9	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.9	ug/kg	
591-78-6	2-Hexanone	ND	29	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	29	11	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.9	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	1.3	ug/kg	
80-62-6	Methyl methacrylate	ND	5.9	2.1	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	7.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	19	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.6	ug/kg	
100-42-5	Styrene	ND	5.9	3.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.9	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	12	4.5	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:	S108 S3		
Lab Sample ID:	F84619-25	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.6
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.9	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.8	ug/kg	
1330-20-7	Xylene (total)	ND	18	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S103 S1		
Lab Sample ID:	F84619-26	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074078.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	4.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	67	27	ug/kg	
107-02-8	Acrolein	ND	33	15	ug/kg	
107-13-1	Acrylonitrile	ND	33	15	ug/kg	
107-05-1	Allyl chloride	ND	33	6.7	ug/kg	
71-43-2	Benzene	ND	6.7	2.0	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.9	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.5	ug/kg	
75-25-2	Bromoform	ND	6.7	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	2.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane [b]	ND	6.7	2.7	ug/kg	
67-66-3	Chloroform	ND	6.7	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	33	13	ug/kg	
75-15-0	Carbon disulfide [c]	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.9	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.7	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.7	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	270	75	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	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:	S103 S1		
Lab Sample ID:	F84619-26	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	6.7	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	33	6.7	ug/kg	
591-78-6	2-Hexanone	ND	33	7.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	33	12	ug/kg	
74-83-9	Methyl bromide [d]	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	13	1.5	ug/kg	
80-62-6	Methyl methacrylate	ND	6.7	2.4	ug/kg	
74-95-3	Methylene bromide	ND	6.7	2.0	ug/kg	
75-09-2	Methylene chloride	ND	13	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	2.7	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
76-01-7	Pentachloroethane	ND	33	6.7	ug/kg	
107-12-0	Propionitrile	ND	67	21	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.9	ug/kg	
100-42-5	Styrene	ND	6.7	3.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	6.7	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	13	5.1	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:	S103 S1		
Lab Sample ID:	F84619-26	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	6.7	1.6	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	33	6.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	20	4.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	112%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S103 S2		
Lab Sample ID:	F84619-27	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074079.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	5.68 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	56	22	ug/kg	
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	13	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.7	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.2	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane [b]	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.6	2.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.6	1.1	ug/kg	
123-91-1	1,4-Dioxane	ND	220	63	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	1.1	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:	S103 S2		
Lab Sample ID:	F84619-27	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.6	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
591-78-6	2-Hexanone	ND	28	6.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	10	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.6	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	1.2	ug/kg	
80-62-6	Methyl methacrylate	ND	5.6	2.0	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	6.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	2.2	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.6	ug/kg	
100-42-5	Styrene	ND	5.6	2.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.6	1.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
109-99-9	Tetrahydrofuran	ND	11	4.3	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:	S103 S2		
Lab Sample ID:	F84619-27	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	78.3
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.6	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	S103 S3		
Lab Sample ID:	F84619-28	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0074080.D	1	08/05/11	EP	n/a	n/a	VG2765
Run #2							

	Initial Weight
Run #1	6.13 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	51	20	ug/kg	
107-02-8	Acrolein	ND	26	11	ug/kg	
107-13-1	Acrylonitrile	ND	26	12	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.5	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.1	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane [b]	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide [c]	ND	5.1	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.1	1.0	ug/kg	
123-91-1	1,4-Dioxane	ND	200	58	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	1.0	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:	S103 S3		
Lab Sample ID:	F84619-28	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	5.1	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
591-78-6	2-Hexanone	ND	26	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	2.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	5.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	9.4	ug/kg	
74-83-9	Methyl bromide [d]	ND	5.1	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	1.1	ug/kg	
80-62-6	Methyl methacrylate	ND	5.1	1.8	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	4.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	6.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	16	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.4	ug/kg	
100-42-5	Styrene	ND	5.1	2.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.1	1.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	3.9	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:	S103 S3		
Lab Sample ID:	F84619-28	**Date Sampled:**	07/25/11
Matrix:	SO - Soil	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	5.1	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	85%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Associated ICV and BS outside control limits.
(b) CCV outside of control limits.
(c) ICV outside of control limits.
(d) 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:	DP103 W01		
Lab Sample ID:	F84619-29	**Date Sampled:**	07/26/11
Matrix:	AQ - Ground Water	**Date Received:**	07/27/11
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]	J067743.D	1	08/08/11	KW	n/a	n/a	VJ3674
Run #2 [b]	O1812.D	1	08/08/11	KW	n/a	n/a	VO88

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

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.1	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	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	2.4	1.0	0.26	ug/l	
135-98-8	sec-Butylbenzene	3.0	1.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	0.47	1.0	0.27	ug/l	J
108-90-7	Chlorobenzene	0.35	1.0	0.20	ug/l	J
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 [d]	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 [d]	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:	DP103 W01		
Lab Sample ID:	F84619-29	**Date Sampled:**	07/26/11
Matrix:	AQ - Ground Water	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.91	1.0	0.20	ug/l	J
95-50-1	o-Dichlorobenzene	3.0	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	6.3	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	2.2	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	1.7	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	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	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	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:	DP103 W01		
Lab Sample ID:	F84619-29	**Date Sampled:**	07/26/11
Matrix:	AQ - Ground Water	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	1.0	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)	ND	3.0	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	103%	76-127%
2037-26-5	Toluene-D8	101%	104%	86-112%
460-00-4	4-Bromofluorobenzene	94%	105%	84-120%

(a) Sample vial(s) contained significante headspace. Sample was not preserved to a pH < 2; 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:	DP102 W01		
Lab Sample ID:	F84619-30	**Date Sampled:**	07/26/11
Matrix:	AQ - Ground Water	**Date Received:**	07/27/11
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]	J067744.D	1	08/08/11	KW	n/a	n/a	VJ3674
Run #2 [a]	O1813.D	1	08/08/11	KW	n/a	n/a	VO88

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

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.6	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	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 [c]	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 [c]	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:	DP102 W01		
Lab Sample ID:	F84619-30	**Date Sampled:**	07/26/11
Matrix:	AQ - Ground Water	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.67	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	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	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:	DP102 W01		
Lab Sample ID:	F84619-30	**Date Sampled:**	07/26/11
Matrix:	AQ - Ground Water	**Date Received:**	07/27/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	QAS, 1633 Marsh Ave, Blue Summit, MO		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.78	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	1.5	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	102%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	76-127%
2037-26-5	Toluene-D8	103%	101%	86-112%
460-00-4	4-Bromofluorobenzene	97%	106%	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: F84619
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 F84619

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: ~~ORLA 2000 FL~~ (407) 425 6700

Document Control No: 072611A
Lab. Reference No. or Episode No.:

Project Number: 54327
Client Name: QAS

Sample Number: Group or SWMU Name	Sample Point	Sample Designator	Sample Event: Round	Year	Sample Depth (in feet): From	To	Sample Collected: Date	Time	Matrix: Liquid	Solid	Gas	Number of Containers	Analysis: VOCs 5035	Remarks
1	S101	S1			0	3	7-25	0915		X		4	X	
2	S101	S1A			0	3	7-25	0915		X		4	X	
3	S101	S2			3	7	7-25	0920		X		4	X	
4	S101	S3			7	11	7-25	0925		X		4	X	
5	S105	S1			0	3	7-25	1000		X		4	X	
6	S105	S2			3	7	7-25	1005		X		4	X	
7	S105	S3			7	11	7-25	1010		X		4	X	
8	S105	S3A			7	11	7-25	1010		X		4	X	
9	S104	S1			0	3	7-25	1030		X		4	X	
10	S104	S2			3	7	7-25	1035		X		4	X	
11	S104	S3			7	11	7-25	1040		X		4	X	
12	S102	S1			0	3	7-25	1100		X		4	X	
13	S102	S2			3	7	7-25	1105		X		4	X	
14	S102	S3			7	11	7-25	1110		X		4	X	
15	TRIPBLANK				—	—	7-25	—	X			2	X	

Sampler (signature): Kevin Bolling

Sampler (signature):

Special Instructions:

Relinquished By (signature) 1.: FX — Date/Time: 7-26-12

Received By (signature): FX — Date/Time:

Ice Present in Container: Yes ☐ No ☐

Temperature Upon Receipt:

Relinquished By (signature) 2.: FX — Date/Time:

Received By (signature): J Comm (ASE) — Date/Time: 09:20

Laboratory Comments: 38

F84619: Chain of Custody
Page 1 of 4

Burns & McDonnell SINCE 1898
021706 Form WCD-KC1

Request for Chemical Analysis and Chain of Custody Record F84619 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: 072611A
Lab. Reference No. or Episode No.:

Project Number: 54327
Client Name: QAS

Sample Number: Group or SWMU Name	Sample Point	Sample Designator	Sample Event: Round	Year	Sample Depth (in feet): From	To	Sample Collected: Date	Time	Matrix: Liquid	Solid	Gas	Number of Containers	Analysis: VOCs 5035						Remarks
16	S106	S1			0	3	7-25	1125		X		4	X						
17	S106	S2			3	7		1130		X		4	X						
18	S106	S3			7	11		1135		X		4	X						
19	S107	S1			0	3		1155		X		4	X						
20	S107	S2			3	7		1200		X		4	X						
21	S107	S3A			3	7		1200		X		4	X						
22	S107	S3			7	11		1205		X		4	X						
23	S108	S1			0	3		1230		X		4	X						
24	S108	S2			3	7		1240		X		4	X						
25	S108	S3			7	11		1245		X		4	X						
67	S108	S3MS			7	11		1245		X		4	X						
67	S108	S3MSD			7	11		1245		X		4	X						
												8							

Sample Type

Sampler (signature): Kevin Bolling

Sampler (signature):

Special Instructions:

Relinquished By (signature): 1. Date/Time 7-26-1472

Received By (signature): Fx Date/Time

Ice Present in Container: Yes ☐ No ☐

Temperature Upon Receipt:

Relinquished By (signature): 2. Fx Date/Time

Received By (signature): J. Crome (ACL) 09:30 Date/Time

Laboratory Comments: 3-8

4.2 4

F84619: Chain of Custody
Page 2 of 4

Burns & McDonnell SINCE 1898

021706 Form WCD-KC1

Request for Chemical Analysis and Chain of Custody Record F84619 3

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: 672611A
Lab. Reference No. or Episode No.:

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 5035	Analysis 5035 (8260)	Remarks
26	S103	S1			0	3	7-25	1305		X		4	X		
27	S103	S2			3	7		1310		X		4	X		
	S103	S3 MS			7	11		1320		X		4	X		
28	S103	S3 MSD			7	11		1320		X		4	X		
	S103	S3			7	11		1320		X		4	X		
29	DP103	W01					7-26	0850	X			3		X	
30	DP102	W01					7-26	0750	X			3		X	
	Temp Blank														

Sampler (signature): Kevin Kelley

Sampler (signature):

Special Instructions:

Relinquished By (signature): 1. 7-26/1422 — Date/Time

Received By (signature): FX — Date/Time

Ice Present in Container: Yes ☐ No ☐

Temperature Upon Receipt:

Relinquished By (signature): 2. FX — Date/Time

Received By (signature): J. Coppe (ALSE) 04:00 — Date/Time

Laboratory Comments: 3.8

4.2 4

F84619: Chain of Custody
Page 3 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F84619 CLIENT: BURNS & McDONNELL PROJECT: S4327

DATE/TIME RECEIVED: 7-27-11 09:00 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8759 1993 9086

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [X] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 3.4
- [ ] CORRECTED TEMPS: 3.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [X] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [X] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [X] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Samp #25 received (ms/msd) volume not requested on coc, Sample #25 no (ms/msd) volume received as requested on coc; for sample #6 no information on jar; for sample #21 coc and 12:00 jar 11:53; Received water TB

TECHNICIAN SIGNATURE/DATE JC 7-27-11 REVIEWER SIGNATURE/DATE Scott Hill 07/27/11

NF 12/10

receipt confirmation 122910.xls

F84619: Chain of Custody

Page 4 of 4

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: F84619
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
VF1552-MB	F051262.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

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	
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	
95-50-1	o-Dichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: F84619
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
VF1552-MB	F051262.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	Result	RL	MDL	Units	Q
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	5.1	10	4.6	ug/kg	J
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	
108-88-3	Toluene	ND	5.0	1.2	ug/kg	

Method Blank Summary

Job Number: F84619
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
VF1552-MB	F051262.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	Result	RL	MDL	Units	Q
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	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	108%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	77-123%

Method Blank Summary

Job Number: F84619
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
VG2765-MB	G0074063.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

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: F84619
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
VG2765-MB	G0074063.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

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	1.7	5.0	1.0	ug/kg	J
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: F84619
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
VG2765-MB	G0074063.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

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	99%	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	105%	77-123%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

Method Blank Summary

Job Number: F84619
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
VH2631-MB	H070912.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

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: F84619
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
VH2631-MB	H070912.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

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	5.8	10	4.6	ug/kg	J
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: F84619
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
VH2631-MB	H070912.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

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	103%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F84619
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
VG2766-MB	G0074088.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

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: F84619
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
VG2766-MB	G0074088.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

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	1.4	5.0	1.0	ug/kg	J
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: F84619
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
VG2766-MB	G0074088.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

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	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	77-123%

Method Blank Summary

Job Number: F84619
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
VJ3674-MB	J067736.D	1	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

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	
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	
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	
95-50-1	o-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.23	ug/l	

Method Blank Summary

Job Number: F84619
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
VJ3674-MB	J067736.D	1	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Result	RL	MDL	Units	Q
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	0.54	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	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	

Method Blank Summary

Job Number: F84619
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
VJ3674-MB	J067736.D	1	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Result	RL	MDL	Units	Q
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	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F84619
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
VO88-MB	O1802.D	1	08/08/11	KW	n/a	n/a	VO88

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Result	RL	MDL	Units	Q
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F84619
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
VF1553-MB	F051292.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

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: F84619
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
VF1553-MB	F051292.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

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: F84619
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
VF1553-MB	F051292.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

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	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	77-123%

Blank Spike Summary

Job Number: F84619
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
VF1552-BS	F051261.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	154	62	61-144
107-02-8	Acrolein	250	887	355*	27-156
107-13-1	Acrylonitrile	250	242	97	55-144
107-05-1	Allyl chloride	50	55.4	111	41-152
71-43-2	Benzene	50	54.5	109	78-130
108-86-1	Bromobenzene	50	51.9	104	78-123
74-97-5	Bromochloromethane	50	47.3	95	72-122
75-27-4	Bromodichloromethane	50	53.7	107	73-122
75-25-2	Bromoform	50	51.5	103	70-139
104-51-8	n-Butylbenzene	50	56.4	113	80-138
135-98-8	sec-Butylbenzene	50	53.1	106	82-132
98-06-6	tert-Butylbenzene	50	55.0	110	79-130
108-90-7	Chlorobenzene	50	52.2	104	83-122
75-00-3	Chloroethane	50	64.9	130	61-153
67-66-3	Chloroform	50	53.4	107	79-129
95-49-8	o-Chlorotoluene	50	53.8	108	77-123
106-43-4	p-Chlorotoluene	50	55.9	112	78-129
75-15-0	Carbon disulfide	50	46.5	93	61-142
56-23-5	Carbon tetrachloride	50	54.4	109	79-135
75-34-3	1,1-Dichloroethane	50	54.4	109	77-132
75-35-4	1,1-Dichloroethylene	50	57.8	116	66-132
563-58-6	1,1-Dichloropropene	50	56.1	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	52.1	104	67-129
106-93-4	1,2-Dibromoethane	50	48.5	97	77-126
107-06-2	1,2-Dichloroethane	50	52.5	105	78-129
78-87-5	1,2-Dichloropropane	50	53.7	107	74-127
142-28-9	1,3-Dichloropropane	50	49.5	99	78-118
108-20-3	Di-Isopropyl ether	50	50.5	101	75-131
123-91-1	1,4-Dioxane	1000	947	95	67-132
594-20-7	2,2-Dichloropropane	50	57.9	116	80-137
124-48-1	Dibromochloromethane	50	50.0	100	78-117
75-71-8	Dichlorodifluoromethane	50	95.6	191*	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.7	105	74-123
10061-01-5	cis-1,3-Dichloropropene	50	55.5	111	79-130
541-73-1	m-Dichlorobenzene	50	54.2	108	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123

Blank Spike Summary

Job Number: F84619
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
VF1552-BS	F051261.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
106-46-7	p-Dichlorobenzene	50	54.2	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	54.4	109	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.5	111	87-131
100-41-4	Ethylbenzene	50	52.8	106	82-124
97-63-2	Ethyl methacrylate	50	50.3	101	78-118
591-78-6	2-Hexanone	250	242	97	67-130
87-68-3	Hexachlorobutadiene	50	58.7	117	77-150
98-82-8	Isopropylbenzene	50	61.6	123	82-133
99-87-6	p-Isopropyltoluene	50	54.0	108	82-132
108-10-1	4-Methyl-2-pentanone	250	258	103	69-125
126-98-7	Methacrylonitrile	500	518	104	70-138
74-83-9	Methyl bromide	50	62.0	124	60-146
74-87-3	Methyl chloride	50	66.2	132	58-163
74-88-4	Methyl iodide	50	48.0	96	66-128
80-62-6	Methyl methacrylate	50	54.2	108	73-125
74-95-3	Methylene bromide	50	51.2	102	75-128
75-09-2	Methylene chloride	50	55.8	112	62-140
78-93-3	Methyl ethyl ketone	250	219	88	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.6	93	70-131
91-20-3	Naphthalene	50	49.9	100	59-143
76-01-7	Pentachloroethane	50	65.5	131	64-156
107-12-0	Propionitrile	500	490	98	73-133
103-65-1	n-Propylbenzene	50	53.3	107	78-129
100-42-5	Styrene	50	52.4	105	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.7	103	81-121
71-55-6	1,1,1-Trichloroethane	50	54.3	109	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	49.9	100	70-128
79-00-5	1,1,2-Trichloroethane	50	49.3	99	76-118
87-61-6	1,2,3-Trichlorobenzene	50	54.1	108	78-136
96-18-4	1,2,3-Trichloropropane	50	51.8	104	74-125
120-82-1	1,2,4-Trichlorobenzene	50	56.0	112	82-137
95-63-6	1,2,4-Trimethylbenzene	50	53.3	107	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.0	100	79-129
127-18-4	Tetrachloroethylene	50	52.6	105	79-132
109-99-9	Tetrahydrofuran	50	42.7	85	65-137
108-88-3	Toluene	50	52.4	105	80-123

Blank Spike Summary

Job Number: F84619
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
VF1552-BS	F051261.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
79-01-6	Trichloroethylene	50	54.5	109	78-132
75-69-4	Trichlorofluoromethane	50	69.6	139	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	52.7	105	74-138
75-01-4	Vinyl chloride	50	62.2	124	60-145
1330-20-7	Xylene (total)	150	161	107	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	77-123%

Blank Spike Summary

Job Number: F84619
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
VG2765-BS	G0074062.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	275	110	61-144
107-02-8	Acrolein	250	258	103	27-156
107-13-1	Acrylonitrile	250	258	103	55-144
107-05-1	Allyl chloride	50	54.3	109	41-152
71-43-2	Benzene	50	54.6	109	78-130
108-86-1	Bromobenzene	50	54.4	109	78-123
74-97-5	Bromochloromethane	50	50.8	102	72-122
75-27-4	Bromodichloromethane	50	53.0	106	73-122
75-25-2	Bromoform	50	49.1	98	70-139
104-51-8	n-Butylbenzene	50	52.7	105	80-138
135-98-8	sec-Butylbenzene	50	55.6	111	82-132
98-06-6	tert-Butylbenzene	50	55.3	111	79-130
108-90-7	Chlorobenzene	50	52.9	106	83-122
75-00-3	Chloroethane	50	43.4	87	61-153
67-66-3	Chloroform	50	52.4	105	79-129
95-49-8	o-Chlorotoluene	50	57.9	116	77-123
106-43-4	p-Chlorotoluene	50	57.1	114	78-129
110-75-8	2-Chloroethyl vinyl ether	250	288	115	52-142
75-15-0	Carbon disulfide	50	50.6	101	61-142
56-23-5	Carbon tetrachloride	50	48.7	97	79-135
75-34-3	1,1-Dichloroethane	50	53.5	107	77-132
75-35-4	1,1-Dichloroethylene	50	48.0	96	66-132
563-58-6	1,1-Dichloropropene	50	52.2	104	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	51.5	103	67-129
106-93-4	1,2-Dibromoethane	50	50.4	101	77-126
107-06-2	1,2-Dichloroethane	50	52.1	104	78-129
78-87-5	1,2-Dichloropropane	50	54.1	108	74-127
142-28-9	1,3-Dichloropropane	50	51.0	102	78-118
108-20-3	Di-Isopropyl ether	50	53.8	108	75-131
123-91-1	1,4-Dioxane	1000	1050	105	67-132
594-20-7	2,2-Dichloropropane	50	52.0	104	80-137
124-48-1	Dibromochloromethane	50	51.8	104	78-117
75-71-8	Dichlorodifluoromethane	50	50.8	102	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.4	101	74-123
10061-01-5	cis-1,3-Dichloropropene	50	54.1	108	79-130
541-73-1	m-Dichlorobenzene	50	53.3	107	82-126

Blank Spike Summary

Job Number: F84619
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
VG2765-BS	G0074062.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-50-1	o-Dichlorobenzene	50	52.2	104	83-123
106-46-7	p-Dichlorobenzene	50	53.8	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.7	101	87-131
100-41-4	Ethylbenzene	50	52.8	106	82-124
97-63-2	Ethyl methacrylate	50	51.3	103	78-118
591-78-6	2-Hexanone	250	276	110	67-130
87-68-3	Hexachlorobutadiene	50	50.3	101	77-150
98-82-8	Isopropylbenzene	50	51.4	103	82-133
99-87-6	p-Isopropyltoluene	50	53.0	106	82-132
108-10-1	4-Methyl-2-pentanone	250	265	106	69-125
126-98-7	Methacrylonitrile	500	609	122	70-138
74-83-9	Methyl bromide	50	57.5	115	60-146
74-87-3	Methyl chloride	50	53.8	108	58-163
74-88-4	Methyl iodide	50	48.3	97	66-128
80-62-6	Methyl methacrylate	50	50.7	101	73-125
74-95-3	Methylene bromide	50	52.4	105	75-128
75-09-2	Methylene chloride	50	53.6	107	62-140
78-93-3	Methyl ethyl ketone	250	291	116	66-134
1634-04-4	Methyl Tert Butyl Ether	50	53.2	106	70-131
91-20-3	Naphthalene	50	51.5	103	59-143
76-01-7	Pentachloroethane	50	55.0	110	64-156
107-12-0	Propionitrile	500	527	105	73-133
103-65-1	n-Propylbenzene	50	56.7	113	78-129
100-42-5	Styrene	50	52.3	105	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	51.1	102	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	55.9	112	70-128
79-00-5	1,1,2-Trichloroethane	50	51.1	102	76-118
87-61-6	1,2,3-Trichlorobenzene	50	52.2	104	78-136
96-18-4	1,2,3-Trichloropropane	50	55.8	112	74-125
120-82-1	1,2,4-Trichlorobenzene	50	50.4	101	82-137
95-63-6	1,2,4-Trimethylbenzene	50	56.7	113	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.5	111	79-129
127-18-4	Tetrachloroethylene	50	48.5	97	79-132
109-99-9	Tetrahydrofuran	50	52.3	105	65-137

Blank Spike Summary

Job Number: F84619
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
VG2765-BS	G0074062.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	52.5	105	80-123
79-01-6	Trichloroethylene	50	51.5	103	78-132
75-69-4	Trichlorofluoromethane	50	36.4	73	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	58.8	118	74-138
75-01-4	Vinyl chloride	50	50.3	101	60-145
1330-20-7	Xylene (total)	150	163	109	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	100%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	77-123%

Blank Spike Summary

Job Number: F84619
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
VH2631-BS	H070911.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	128	51*	61-144
107-02-8	Acrolein	250	923	369*	27-156
107-13-1	Acrylonitrile	250	282	113	55-144
107-05-1	Allyl chloride	50	51.7	103	41-152
71-43-2	Benzene	50	54.0	108	78-130
108-86-1	Bromobenzene	50	50.3	101	78-123
74-97-5	Bromochloromethane	50	49.5	99	72-122
75-27-4	Bromodichloromethane	50	54.0	108	73-122
75-25-2	Bromoform	50	50.1	100	70-139
104-51-8	n-Butylbenzene	50	52.5	105	80-138
135-98-8	sec-Butylbenzene	50	52.0	104	82-132
98-06-6	tert-Butylbenzene	50	51.4	103	79-130
108-90-7	Chlorobenzene	50	52.9	106	83-122
75-00-3	Chloroethane	50	56.3	113	61-153
67-66-3	Chloroform	50	53.5	107	79-129
95-49-8	o-Chlorotoluene	50	49.6	99	77-123
106-43-4	p-Chlorotoluene	50	51.7	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	277	111	52-142
75-15-0	Carbon disulfide	50	46.3	93	61-142
56-23-5	Carbon tetrachloride	50	55.0	110	79-135
75-34-3	1,1-Dichloroethane	50	52.6	105	77-132
75-35-4	1,1-Dichloroethylene	50	56.9	114	66-132
563-58-6	1,1-Dichloropropene	50	54.6	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	46.1	92	67-129
106-93-4	1,2-Dibromoethane	50	51.9	104	77-126
107-06-2	1,2-Dichloroethane	50	51.6	103	78-129
78-87-5	1,2-Dichloropropane	50	51.2	102	74-127
142-28-9	1,3-Dichloropropane	50	52.0	104	78-118
108-20-3	Di-Isopropyl ether	50	46.8	94	75-131
123-91-1	1,4-Dioxane	1000	820	82	67-132
594-20-7	2,2-Dichloropropane	50	57.0	114	80-137
124-48-1	Dibromochloromethane	50	51.1	102	78-117
75-71-8	Dichlorodifluoromethane	50	97.3	195*	35-162
156-59-2	cis-1,2-Dichloroethylene	50	53.6	107	74-123
10061-01-5	cis-1,3-Dichloropropene	50	55.0	110	79-130
541-73-1	m-Dichlorobenzene	50	51.5	103	82-126

Blank Spike Summary

Job Number: F84619
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
VH2631-BS	H070911.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-50-1	o-Dichlorobenzene	50	51.0	102	83-123
106-46-7	p-Dichlorobenzene	50	51.0	102	84-124
156-60-5	trans-1,2-Dichloroethylene	50	52.9	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.4	115	87-131
100-41-4	Ethylbenzene	50	51.5	103	82-124
97-63-2	Ethyl methacrylate	50	55.4	111	78-118
591-78-6	2-Hexanone	250	252	101	67-130
87-68-3	Hexachlorobutadiene	50	52.8	106	77-150
98-82-8	Isopropylbenzene	50	61.0	122	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	275	110	69-125
126-98-7	Methacrylonitrile	500	508	102	70-138
74-83-9	Methyl bromide	50	62.1	124	60-146
74-87-3	Methyl chloride	50	68.1	136	58-163
74-88-4	Methyl iodide	50	49.8	100	66-128
80-62-6	Methyl methacrylate	50	58.4	117	73-125
74-95-3	Methylene bromide	50	51.0	102	75-128
75-09-2	Methylene chloride	50	98.3	197*	62-140
78-93-3	Methyl ethyl ketone	250	190	76	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.3	93	70-131
91-20-3	Naphthalene	50	45.2	90	59-143
76-01-7	Pentachloroethane	50	67.0	134	64-156
107-12-0	Propionitrile	500	507	101	73-133
103-65-1	n-Propylbenzene	50	50.8	102	78-129
100-42-5	Styrene	50	52.4	105	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.7	103	81-121
71-55-6	1,1,1-Trichloroethane	50	54.6	109	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	46.0	92	70-128
79-00-5	1,1,2-Trichloroethane	50	52.3	105	76-118
87-61-6	1,2,3-Trichlorobenzene	50	49.7	99	78-136
96-18-4	1,2,3-Trichloropropane	50	48.7	97	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.4	103	82-137
95-63-6	1,2,4-Trimethylbenzene	50	50.3	101	77-129
108-67-8	1,3,5-Trimethylbenzene	50	49.6	99	79-129
127-18-4	Tetrachloroethylene	50	54.2	108	79-132
109-99-9	Tetrahydrofuran	50	45.2	90	65-137

Blank Spike Summary

Job Number: F84619
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
VH2631-BS	H070911.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	50.5	101	80-123
79-01-6	Trichloroethylene	50	55.2	110	78-132
75-69-4	Trichlorofluoromethane	50	67.9	136	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	43.6	87	74-138
75-01-4	Vinyl chloride	50	59.3	119	60-145
1330-20-7	Xylene (total)	150	156	104	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Blank Spike Summary

Job Number: F84619
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
VG2766-BS	G0074087.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	115	46*	61-144
107-02-8	Acrolein	250	874	350*	27-156
107-13-1	Acrylonitrile	250	248	99	55-144
107-05-1	Allyl chloride	50	45.1	90	41-152
71-43-2	Benzene	50	49.0	98	78-130
108-86-1	Bromobenzene	50	51.6	103	78-123
74-97-5	Bromochloromethane	50	49.4	99	72-122
75-27-4	Bromodichloromethane	50	52.8	106	73-122
75-25-2	Bromoform	50	51.2	102	70-139
104-51-8	n-Butylbenzene	50	43.2	86	80-138
135-98-8	sec-Butylbenzene	50	45.6	91	82-132
98-06-6	tert-Butylbenzene	50	45.6	91	79-130
108-90-7	Chlorobenzene	50	50.9	102	83-122
75-00-3	Chloroethane	50	50.3	101	61-153
67-66-3	Chloroform	50	50.5	101	79-129
95-49-8	o-Chlorotoluene	50	48.4	97	77-123
106-43-4	p-Chlorotoluene	50	49.0	98	78-129
110-75-8	2-Chloroethyl vinyl ether	250	282	113	52-142
75-15-0	Carbon disulfide	50	36.8	74	61-142
56-23-5	Carbon tetrachloride	50	42.6	85	79-135
75-34-3	1,1-Dichloroethane	50	47.9	96	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	43.0	86	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.6	91	67-129
106-93-4	1,2-Dibromoethane	50	51.0	102	77-126
107-06-2	1,2-Dichloroethane	50	52.2	104	78-129
78-87-5	1,2-Dichloropropane	50	50.1	100	74-127
142-28-9	1,3-Dichloropropane	50	49.0	98	78-118
108-20-3	Di-Isopropyl ether	50	45.6	91	75-131
123-91-1	1,4-Dioxane	1000	1100	110	67-132
594-20-7	2,2-Dichloropropane	50	43.2	86	80-137
124-48-1	Dibromochloromethane	50	53.7	107	78-117
75-71-8	Dichlorodifluoromethane	50	68.2	136	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.8	100	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	79-130
541-73-1	m-Dichlorobenzene	50	49.4	99	82-126

Blank Spike Summary

Job Number: F84619
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
VG2766-BS	G0074087.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-50-1	o-Dichlorobenzene	50	51.5	103	83-123
106-46-7	p-Dichlorobenzene	50	49.7	99	84-124
156-60-5	trans-1,2-Dichloroethylene	50	45.1	90	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.5	107	87-131
100-41-4	Ethylbenzene	50	46.4	93	82-124
97-63-2	Ethyl methacrylate	50	50.4	101	78-118
591-78-6	2-Hexanone	250	222	89	67-130
87-68-3	Hexachlorobutadiene	50	46.2	92	77-150
98-82-8	Isopropylbenzene	50	51.5	103	82-133
99-87-6	p-Isopropyltoluene	50	46.5	93	82-132
108-10-1	4-Methyl-2-pentanone	250	250	100	69-125
126-98-7	Methacrylonitrile	500	578	116	70-138
74-83-9	Methyl bromide	50	60.1	120	60-146
74-87-3	Methyl chloride	50	56.9	114	58-163
74-88-4	Methyl iodide	50	44.9	90	66-128
80-62-6	Methyl methacrylate	50	53.8	108	73-125
74-95-3	Methylene bromide	50	52.0	104	75-128
75-09-2	Methylene chloride	50	50.2	100	62-140
78-93-3	Methyl ethyl ketone	250	193	77	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.2	92	70-131
91-20-3	Naphthalene	50	47.1	94	59-143
76-01-7	Pentachloroethane	50	47.5	95	64-156
107-12-0	Propionitrile	500	515	103	73-133
103-65-1	n-Propylbenzene	50	46.2	92	78-129
100-42-5	Styrene	50	49.9	100	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	43.7	87	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	48.7	97	70-128
79-00-5	1,1,2-Trichloroethane	50	49.3	99	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.5	95	78-136
96-18-4	1,2,3-Trichloropropane	50	48.8	98	74-125
120-82-1	1,2,4-Trichlorobenzene	50	48.5	97	82-137
95-63-6	1,2,4-Trimethylbenzene	50	48.4	97	77-129
108-67-8	1,3,5-Trimethylbenzene	50	46.5	93	79-129
127-18-4	Tetrachloroethylene	50	56.1	112	79-132
109-99-9	Tetrahydrofuran	50	42.2	84	65-137

Blank Spike Summary

Job Number: F84619
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
VG2766-BS	G0074087.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	46.8	94	80-123
79-01-6	Trichloroethylene	50	46.7	93	78-132
75-69-4	Trichlorofluoromethane	50	46.2	92	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	43.2	86	74-138
75-01-4	Vinyl chloride	50	46.8	94	60-145
1330-20-7	Xylene (total)	150	145	97	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	77-123%

Blank Spike Summary

Job Number: F84619
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
VJ3674-BS	J067735.D	1	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	96.5	77	59-134
107-02-8	Acrolein	125	387	310*	33-157
107-13-1	Acrylonitrile	125	120	96	62-124
107-05-1	Allyl chloride	25	25.5	102	48-136
71-43-2	Benzene	25	24.9	100	83-124
108-86-1	Bromobenzene	25	23.3	93	83-115
74-97-5	Bromochloromethane	25	21.4	86	78-112
75-27-4	Bromodichloromethane	25	21.3	85	76-116
75-25-2	Bromoform	25	19.6	78	68-128
104-51-8	n-Butylbenzene	25	22.6	90	84-124
135-98-8	sec-Butylbenzene	25	23.2	93	86-127
98-06-6	tert-Butylbenzene	25	23.7	95	83-126
108-90-7	Chlorobenzene	25	25.0	100	87-115
75-00-3	Chloroethane	25	29.4	118	54-166
67-66-3	Chloroform	25	23.4	94	85-123
95-49-8	o-Chlorotoluene	25	25.1	100	84-121
106-43-4	p-Chlorotoluene	25	22.6	90	84-120
75-15-0	Carbon disulfide	25	24.8	99	67-147
56-23-5	Carbon tetrachloride	25	22.8	91	74-139
75-34-3	1,1-Dichloroethane	25	24.5	98	82-127
75-35-4	1,1-Dichloroethylene	25	24.0	96	75-133
563-58-6	1,1-Dichloropropene	25	23.6	94	87-127
106-93-4	1,2-Dibromoethane	25	20.6	82	80-115
107-06-2	1,2-Dichloroethane	25	23.0	92	76-122
78-87-5	1,2-Dichloropropane	25	23.9	96	81-120
142-28-9	1,3-Dichloropropane	25	23.1	92	81-113
108-20-3	Di-Isopropyl ether	25	23.6	94	75-125
123-91-1	1,4-Dioxane	500	431	86	59-129
594-20-7	2,2-Dichloropropane	25	23.3	93	77-138
124-48-1	Dibromochloromethane	25	20.2	81	74-116
75-71-8	Dichlorodifluoromethane	25	35.7	143	34-158
156-59-2	cis-1,2-Dichloroethylene	25	20.7	83	81-114
10061-01-5	cis-1,3-Dichloropropene	25	21.9	88	83-119
541-73-1	m-Dichlorobenzene	25	25.3	101	86-115
95-50-1	o-Dichlorobenzene	25	22.2	89	85-115
106-46-7	p-Dichlorobenzene	25	24.2	97	87-113

Blank Spike Summary

Job Number: F84619
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
VJ3674-BS	J067735.D	1	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	25	21.5	86	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.5	94	87-123
100-41-4	Ethylbenzene	25	22.8	91	87-118
97-63-2	Ethyl methacrylate	25	20.5	82	68-110
591-78-6	2-Hexanone	125	112	90	58-125
87-68-3	Hexachlorobutadiene	25	24.2	97	71-133
98-82-8	Isopropylbenzene	25	25.9	104	87-131
99-87-6	p-Isopropyltoluene	25	23.2	93	83-125
108-10-1	4-Methyl-2-pentanone	125	108	86	62-125
126-98-7	Methacrylonitrile	250	242	97	62-133
74-83-9	Methyl bromide	25	27.8	111	55-151
74-87-3	Methyl chloride	25	30.8	123	55-173
74-88-4	Methyl iodide	25	24.3	97	72-125
80-62-6	Methyl methacrylate	25	23.3	93	63-115
74-95-3	Methylene bromide	25	21.6	86	81-116
75-09-2	Methylene chloride	25	21.6	86	69-125
78-93-3	Methyl ethyl ketone	125	90.3	72	61-127
1634-04-4	Methyl Tert Butyl Ether	25	20.6	82	75-116
91-20-3	Naphthalene	25	20.0	80	59-125
76-01-7	Pentachloroethane	25	26.3	105	82-111
107-12-0	Propionitrile	250	218	87	69-119
103-65-1	n-Propylbenzene	25	23.6	94	86-125
100-42-5	Styrene	25	22.4	90	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	22.1	88	81-119
71-55-6	1,1,1-Trichloroethane	25	23.1	92	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	20.1	80	71-120
79-00-5	1,1,2-Trichloroethane	25	22.6	90	80-114
87-61-6	1,2,3-Trichlorobenzene	25	22.0	88	64-126
96-18-4	1,2,3-Trichloropropane	25	20.0	80	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.9	88	68-123
95-63-6	1,2,4-Trimethylbenzene	25	21.5	86	82-120
108-67-8	1,3,5-Trimethylbenzene	25	21.8	87	83-123
127-18-4	Tetrachloroethylene	25	24.2	97	80-131
109-99-9	Tetrahydrofuran	25	19.2	77	60-125
108-88-3	Toluene	25	25.1	100	86-116
79-01-6	Trichloroethylene	25	25.2	101	85-124

Blank Spike Summary

Job Number: F84619
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
VJ3674-BS	J067735.D	1	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-69-4	Trichlorofluoromethane	25	31.3	125	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	21.3	85	51-137
75-01-4	Vinyl chloride	25	31.5	126	57-153
1330-20-7	Xylene (total)	75	67.4	90	86-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Blank Spike Summary

Job Number: F84619
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
VO88-BS	O1801.D	1	08/08/11	KW	n/a	n/a	VO88

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
110-75-8	2-Chloroethyl vinyl ether	125	130	104	63-125
96-12-8	1,2-Dibromo-3-chloropropane	25	22.1	88	61-118

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

Blank Spike Summary

Job Number: F84619
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
VF1553-BS	F051291.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	180	72	61-144
107-02-8	Acrolein	250	807	323*	27-156
107-13-1	Acrylonitrile	250	275	110	55-144
107-05-1	Allyl chloride	50	55.0	110	41-152
71-43-2	Benzene	50	54.2	108	78-130
108-86-1	Bromobenzene	50	46.4	93	78-123
74-97-5	Bromochloromethane	50	47.8	96	72-122
75-27-4	Bromodichloromethane	50	53.7	107	73-122
75-25-2	Bromoform	50	49.8	100	70-139
104-51-8	n-Butylbenzene	50	50.9	102	80-138
135-98-8	sec-Butylbenzene	50	48.5	97	82-132
98-06-6	tert-Butylbenzene	50	49.9	100	79-130
108-90-7	Chlorobenzene	50	47.5	95	83-122
75-00-3	Chloroethane	50	58.1	116	61-153
67-66-3	Chloroform	50	53.2	106	79-129
95-49-8	o-Chlorotoluene	50	48.8	98	77-123
106-43-4	p-Chlorotoluene	50	50.1	100	78-129
110-75-8	2-Chloroethyl vinyl ether	250	ND	0*	52-142
75-15-0	Carbon disulfide	50	46.5	93	61-142
56-23-5	Carbon tetrachloride	50	56.0	112	79-135
75-34-3	1,1-Dichloroethane	50	54.5	109	77-132
75-35-4	1,1-Dichloroethylene	50	58.9	118	66-132
563-58-6	1,1-Dichloropropene	50	57.0	114	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	52.0	104	67-129
106-93-4	1,2-Dibromoethane	50	45.9	92	77-126
107-06-2	1,2-Dichloroethane	50	53.2	106	78-129
78-87-5	1,2-Dichloropropane	50	52.9	106	74-127
142-28-9	1,3-Dichloropropane	50	46.0	92	78-118
108-20-3	Di-Isopropyl ether	50	50.1	100	75-131
123-91-1	1,4-Dioxane	1000	835	84	67-132
594-20-7	2,2-Dichloropropane	50	58.1	116	80-137
124-48-1	Dibromochloromethane	50	46.8	94	78-117
75-71-8	Dichlorodifluoromethane	50	74.6	149	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.6	105	74-123
10061-01-5	cis-1,3-Dichloropropene	50	55.1	110	79-130
541-73-1	m-Dichlorobenzene	50	48.4	97	82-126

Blank Spike Summary

Job Number: F84619
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
VF1553-BS	F051291.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-50-1	o-Dichlorobenzene	50	47.9	96	83-123
106-46-7	p-Dichlorobenzene	50	48.2	96	84-124
156-60-5	trans-1,2-Dichloroethylene	50	54.9	110	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.6	103	87-131
100-41-4	Ethylbenzene	50	48.6	97	82-124
97-63-2	Ethyl methacrylate	50	47.8	96	78-118
591-78-6	2-Hexanone	250	245	98	67-130
87-68-3	Hexachlorobutadiene	50	52.2	104	77-150
98-82-8	Isopropylbenzene	50	56.3	113	82-133
99-87-6	p-Isopropyltoluene	50	48.9	98	82-132
108-10-1	4-Methyl-2-pentanone	250	256	102	69-125
126-98-7	Methacrylonitrile	500	557	111	70-138
74-83-9	Methyl bromide	50	56.6	113	60-146
74-87-3	Methyl chloride	50	58.5	117	58-163
74-88-4	Methyl iodide	50	48.8	98	66-128
80-62-6	Methyl methacrylate	50	57.5	115	73-125
74-95-3	Methylene bromide	50	52.7	105	75-128
75-09-2	Methylene chloride	50	54.7	109	62-140
78-93-3	Methyl ethyl ketone	250	246	98	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.0	96	70-131
91-20-3	Naphthalene	50	45.8	92	59-143
76-01-7	Pentachloroethane	50	58.1	116	64-156
107-12-0	Propionitrile	500	545	109	73-133
103-65-1	n-Propylbenzene	50	48.4	97	78-129
100-42-5	Styrene	50	47.5	95	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	47.4	95	81-121
71-55-6	1,1,1-Trichloroethane	50	55.6	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	46.7	93	70-128
79-00-5	1,1,2-Trichloroethane	50	46.0	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.4	95	78-136
96-18-4	1,2,3-Trichloropropane	50	50.0	100	74-125
120-82-1	1,2,4-Trichlorobenzene	50	48.9	98	82-137
95-63-6	1,2,4-Trimethylbenzene	50	47.9	96	77-129
108-67-8	1,3,5-Trimethylbenzene	50	45.4	91	79-129
127-18-4	Tetrachloroethylene	50	49.1	98	79-132
109-99-9	Tetrahydrofuran	50	48.3	97	65-137

Blank Spike Summary

Job Number: F84619
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
VF1553-BS	F051291.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	48.0	96	80-123
79-01-6	Trichloroethylene	50	54.7	109	78-132
75-69-4	Trichlorofluoromethane	50	67.1	134	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	50.5	101	74-138
75-01-4	Vinyl chloride	50	55.9	112	60-145
1330-20-7	Xylene (total)	150	147	98	83-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-23MS	H070927.D	1	08/05/11	AH	n/a	n/a	VH2631
F84619-23MSD	H070928.D	1	08/05/11	AH	n/a	n/a	VH2631
F84619-23	H070926.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

CAS No.	Compound	F84619-23 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		394	130	33*	140	36*	7	61-144/29
107-02-8	Acrolein	ND		394	125	32	87.0	22*	36	27-156/39
107-13-1	Acrylonitrile	ND		394	331	84	333	86	1	55-144/24
107-05-1	Allyl chloride	ND		78.8	84.2	107	83.8	108	0	41-152/24
71-43-2	Benzene	ND		78.8	86.2	109	83.6	108	3	78-130/25
108-86-1	Bromobenzene	ND		78.8	86.8	110	84.4	109	3	78-123/30
74-97-5	Bromochloromethane	ND		78.8	82.2	104	71.6	92	14	72-122/23
75-27-4	Bromodichloromethane	ND		78.8	81.7	104	78.7	101	4	73-122/25
75-25-2	Bromoform	ND		78.8	64.4	82	61.5	79	5	70-139/26
104-51-8	n-Butylbenzene	ND		78.8	83.3	106	78.0	100	7	80-138/31
135-98-8	sec-Butylbenzene	ND		78.8	94.0	119	93.3	120	1	82-132/29
98-06-6	tert-Butylbenzene	ND		78.8	99.4	126	97.5	125	2	79-130/29
108-90-7	Chlorobenzene	ND		78.8	84.1	107	80.3	103	5	83-122/23
75-00-3	Chloroethane	ND		78.8	138	175*	125	161*	10	61-153/31
67-66-3	Chloroform	ND		78.8	90.2	114	86.2	111	5	79-129/27
95-49-8	o-Chlorotoluene	ND		78.8	91.0	115	89.1	115	2	77-123/31
106-43-4	p-Chlorotoluene	ND		78.8	90.6	115	88.5	114	2	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		394	341	87	341	88	0	52-142/25
75-15-0	Carbon disulfide	ND		78.8	81.5	103	81.1	104	0	61-142/27
56-23-5	Carbon tetrachloride	ND		78.8	97.5	124	92.1	118	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		78.8	96.4	122	95.5	123	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		78.8	111	141*	109	140*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		78.8	91.2	116	86.1	111	6	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		78.8	58.4	74	62.9	81	7	67-129/29
106-93-4	1,2-Dibromoethane	ND		78.8	70.3	89	70.1	90	0	77-126/24
107-06-2	1,2-Dichloroethane	ND		78.8	75.8	96	73.4	94	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		78.8	72.3	92	72.6	93	0	74-127/27
142-28-9	1,3-Dichloropropane	ND		78.8	71.0	90	69.9	90	2	78-118/26
108-20-3	Di-Isopropyl ether	ND		78.8	73.4	93	75.2	97	2	75-131/24
123-91-1	1,4-Dioxane	ND		1580	1350	86	1430	92	6	67-132/38
594-20-7	2,2-Dichloropropane	ND		78.8	79.2	101	64.6	83	20	80-137/28
124-48-1	Dibromochloromethane	ND		78.8	73.7	94	73.2	94	1	78-117/27
75-71-8	Dichlorodifluoromethane	ND		78.8	210	266*	203	261*	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		78.8	98.1	124*	81.4	105	19	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		78.8	71.7	91	70.8	91	1	79-130/23
541-73-1	m-Dichlorobenzene	ND		78.8	82.8	105	79.2	102	4	82-126/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-23MS	H070927.D	1	08/05/11	AH	n/a	n/a	VH2631
F84619-23MSD	H070928.D	1	08/05/11	AH	n/a	n/a	VH2631
F84619-23	H070926.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

CAS No.	Compound	F84619-23 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	ND		78.8	75.3	96	73.1	94	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		78.8	82.8	105	76.9	99	7	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		78.8	98.3	125	95.5	123	3	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		78.8	79.0	100	75.0	96	5	87-131/27
100-41-4	Ethylbenzene	ND		78.8	86.9	110	81.7	105	6	82-124/25
97-63-2	Ethyl methacrylate	ND		78.8	42.7	54*	38.8	50*	10	78-118/30
591-78-6	2-Hexanone	ND		394	282	72	284	73	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		78.8	60.9	77	55.1	71*	10	77-150/36
98-82-8	Isopropylbenzene	ND		78.8	100	127	94.1	121	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		78.8	97.4	124	95.5	123	2	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		394	324	82	324	83	0	69-125/24
126-98-7	Methacrylonitrile	ND		788	534	68*	530	68*	1	70-138/22
74-83-9	Methyl bromide	ND		78.8	163	207*	150	193*	8	60-146/31
74-87-3	Methyl chloride	ND		78.8	110	140	112	144	2	58-163/26
74-88-4	Methyl iodide	ND		78.8	95.0	121	90.4	116	5	66-128/27
80-62-6	Methyl methacrylate	ND		78.8	84.0	107	81.6	105	3	73-125/24
74-95-3	Methylene bromide	ND		78.8	73.2	93	70.4	91	4	75-128/26
75-09-2	Methylene chloride	ND		78.8	94.5	120	94.9	122	0	62-140/25
78-93-3	Methyl ethyl ketone	ND		394	173	44*	174	45*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		78.8	73.9	94	75.1	97	2	70-131/25
91-20-3	Naphthalene	ND		78.8	39.5	50*	36.4	47*	8	59-143/31
76-01-7	Pentachloroethane	ND		78.8	101	128	105	135	4	64-156/37
107-12-0	Propionitrile	ND		788	509	65*	518	67*	2	73-133/23
103-65-1	n-Propylbenzene	ND		78.8	97.3	123	95.1	122	2	78-129/29
100-42-5	Styrene	ND		78.8	77.0	98	72.6	93	6	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		78.8	82.6	105	80.7	104	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		78.8	98.3	125	92.5	119	6	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		78.8	68.9	87	73.0	94	6	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		78.8	73.2	93	71.0	91	3	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		78.8	44.6	57*	39.2	50*	13	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		78.8	74.5	95	73.9	95	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		78.8	53.0	67*	46.7	60*	13	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		78.8	92.6	118	90.8	117	2	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		78.8	93.2	118	93.0	120	0	79-129/31
127-18-4	Tetrachloroethylene	ND		78.8	101	128	95.5	123	6	79-132/27
109-99-9	Tetrahydrofuran	ND		78.8	46.2	59*	42.1	54*	9	65-137/27

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-23MS	H070927.D	1	08/05/11	AH	n/a	n/a	VH2631
F84619-23MSD	H070928.D	1	08/05/11	AH	n/a	n/a	VH2631
F84619-23	H070926.D	1	08/05/11	AH	n/a	n/a	VH2631

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

F84619-23

CAS No.	Compound	F84619-23 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	ND		78.8	82.4	105	79.6	102	3	80-123/26
79-01-6	Trichloroethylene	ND		78.8	93.5	119	87.8	113	6	78-132/28
75-69-4	Trichlorofluoromethane	ND		78.8	178	226*	162	208*	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		78.8	55.3	70*	53.4	69*	3	74-138/30
75-01-4	Vinyl chloride	ND		78.8	109	138	105	135	4	60-145/29
1330-20-7	Xylene (total)	ND		236	257	109	243	104	6	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F84619-23	Limits
1868-53-7	Dibromofluoromethane	105%	106%	113%	80-121%
2037-26-5	Toluene-D8	98%	99%	92%	71-130%
460-00-4	4-Bromofluorobenzene	103%	108%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	116%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-28MS	G0074081.D	1	08/05/11	EP	n/a	n/a	VG2765
F84619-28MSD	G0074082.D	1	08/05/11	EP	n/a	n/a	VG2765
F84619-28	G0074080.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

CAS No.	Compound	F84619-28 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		291	71.7	25*	81.4	27*	13	61-144/29
107-02-8	Acrolein	ND		291	678	233*	712	238*	5	27-156/39
107-13-1	Acrylonitrile	ND		291	153	53*	176	59	14	55-144/24
107-05-1	Allyl chloride	ND		58.2	38.0	65	42.0	70	10	41-152/24
71-43-2	Benzene	ND		58.2	46.8	80	50.9	85	8	78-130/25
108-86-1	Bromobenzene	ND		58.2	45.4	78	50.7	85	11	78-123/30
74-97-5	Bromochloromethane	ND		58.2	44.5	76	48.3	81	8	72-122/23
75-27-4	Bromodichloromethane	ND		58.2	46.8	80	51.7	86	10	73-122/25
75-25-2	Bromoform	ND		58.2	39.1	67*	45.8	76	16	70-139/26
104-51-8	n-Butylbenzene	ND		58.2	34.2	59*	39.5	66*	14	80-138/31
135-98-8	sec-Butylbenzene	ND		58.2	39.1	67*	43.9	73*	12	82-132/29
98-06-6	tert-Butylbenzene	ND		58.2	40.6	70*	45.1	75*	11	79-130/29
108-90-7	Chlorobenzene	ND		58.2	45.8	79*	50.4	84	10	83-122/23
75-00-3	Chloroethane	ND		58.2	54.0	93	57.7	96	7	61-153/31
67-66-3	Chloroform	ND		58.2	49.0	84	52.8	88	7	79-129/27
95-49-8	o-Chlorotoluene	ND		58.2	42.8	74*	47.1	79	10	77-123/31
106-43-4	p-Chlorotoluene	ND		58.2	43.5	75*	47.2	79	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		291	194	67	230	77	17	52-142/25
75-15-0	Carbon disulfide	ND		58.2	34.6	59*	38.8	65	11	61-142/27
56-23-5	Carbon tetrachloride	ND		58.2	43.9	75*	48.3	81	10	79-135/29
75-34-3	1,1-Dichloroethane	ND		58.2	45.6	78	48.8	81	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		58.2	42.7	73	47.2	79	10	66-132/27
563-58-6	1,1-Dichloropropene	ND		58.2	43.9	75*	47.7	80*	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		58.2	32.1	55*	35.6	59*	10	67-129/29
106-93-4	1,2-Dibromoethane	ND		58.2	39.7	68*	43.0	72*	8	77-126/24
107-06-2	1,2-Dichloroethane	ND		58.2	44.9	77*	48.7	81	8	78-129/24
78-87-5	1,2-Dichloropropane	ND		58.2	43.1	74	47.4	79	10	74-127/27
142-28-9	1,3-Dichloropropane	ND		58.2	38.4	66*	42.8	71*	11	78-118/26
108-20-3	Di-Isopropyl ether	ND		58.2	38.8	67*	42.6	71*	9	75-131/24
123-91-1	1,4-Dioxane	ND		1160	1040	89	1140	95	9	67-132/38
594-20-7	2,2-Dichloropropane	ND		58.2	41.5	71*	42.9	72*	3	80-137/28
124-48-1	Dibromochloromethane	ND		58.2	44.6	77*	50.6	84	13	78-117/27
75-71-8	Dichlorodifluoromethane	ND		58.2	75.1	129	83.0	139	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		58.2	47.7	82	51.1	85	7	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		58.2	43.7	75*	48.1	80	10	79-130/23
541-73-1	m-Dichlorobenzene	ND		58.2	42.5	73*	49.6	83	15	82-126/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-28MS	G0074081.D	1	08/05/11	EP	n/a	n/a	VG2765
F84619-28MSD	G0074082.D	1	08/05/11	EP	n/a	n/a	VG2765
F84619-28	G0074080.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

CAS No.	Compound	F84619-28 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	ND		58.2	42.4	73*	48.2	80*	13	83-123/28
106-46-7	p-Dichlorobenzene	ND		58.2	43.2	74*	48.9	82*	12	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		58.2	43.1	74*	47.2	79	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		58.2	43.1	74*	48.2	80*	11	87-131/27
100-41-4	Ethylbenzene	ND		58.2	43.6	75*	48.9	82	11	82-124/25
97-63-2	Ethyl methacrylate	ND		58.2	30.5	52*	36.2	60*	17	78-118/30
591-78-6	2-Hexanone	ND		291	145	50*	166	55*	14	67-130/29
87-68-3	Hexachlorobutadiene	ND		58.2	34.2	59*	40.0	67*	16	77-150/36
98-82-8	Isopropylbenzene	ND		58.2	47.9	82	52.7	88	10	82-133/27
99-87-6	p-Isopropyltoluene	ND		58.2	40.3	69*	46.3	77*	14	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		291	173	59*	194	65*	11	69-125/24
126-98-7	Methacrylonitrile	ND		582	388	67*	436	73	12	70-138/22
74-83-9	Methyl bromide	ND		58.2	88.0	151*	85.8	143	3	60-146/31
74-87-3	Methyl chloride	ND		58.2	52.3	90	56.0	93	7	58-163/26
74-88-4	Methyl iodide	ND		58.2	44.8	77	48.1	80	7	66-128/27
80-62-6	Methyl methacrylate	ND		58.2	39.7	68*	44.8	75	12	73-125/24
74-95-3	Methylene bromide	ND		58.2	43.6	75	47.9	80	9	75-128/26
75-09-2	Methylene chloride	ND		58.2	42.7	73	46.8	78	9	62-140/25
78-93-3	Methyl ethyl ketone	ND		291	123	42*	136	45*	10	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		58.2	37.1	64*	40.9	68*	10	70-131/25
91-20-3	Naphthalene	ND		58.2	30.8	53*	37.8	63	20	59-143/31
76-01-7	Pentachloroethane	ND		58.2	53.7	92	56.7	95	5	64-156/37
107-12-0	Propionitrile	ND		582	327	56*	368	61*	12	73-133/23
103-65-1	n-Propylbenzene	ND		58.2	41.6	71*	45.9	77*	10	78-129/29
100-42-5	Styrene	ND		58.2	43.9	75*	48.6	81	10	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		58.2	46.5	80*	52.3	87	12	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		58.2	45.6	78*	50.2	84	10	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.2	37.1	64*	41.0	68*	10	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		58.2	39.5	68*	42.7	71*	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		58.2	36.7	63*	44.6	74*	19	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		58.2	39.4	68*	41.4	69*	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		58.2	38.0	65*	44.1	74*	15	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		58.2	44.2	76*	49.0	82	10	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		58.2	41.4	71*	46.5	78*	12	79-129/31
127-18-4	Tetrachloroethylene	ND		58.2	47.7	82	53.6	89	12	79-132/27
109-99-9	Tetrahydrofuran	ND		58.2	27.4	47*	30.6	51*	11	65-137/27

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-28MS	G0074081.D	1	08/05/11	EP	n/a	n/a	VG2765
F84619-28MSD	G0074082.D	1	08/05/11	EP	n/a	n/a	VG2765
F84619-28	G0074080.D	1	08/05/11	EP	n/a	n/a	VG2765

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

F84619-20, F84619-21, F84619-22, F84619-24, F84619-25, F84619-26, F84619-27, F84619-28

CAS No.	Compound	F84619-28 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	ND		58.2	44.7	77*	47.4	79*	6	80-123/26
79-01-6	Trichloroethylene	ND		58.2	46.3	80	51.3	86	10	78-132/28
75-69-4	Trichlorofluoromethane	ND		58.2	52.8	91	57.8	96	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		58.2	29.8	51*	35.5	59*	17	74-138/30
75-01-4	Vinyl chloride	ND		58.2	46.9	81	50.9	85	8	60-145/29
1330-20-7	Xylene (total)	ND		175	137	78*	149	83	8	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F84619-28	Limits
1868-53-7	Dibromofluoromethane	105%	105%	106%	80-121%
2037-26-5	Toluene-D8	95%	95%	85%	71-130%
460-00-4	4-Bromofluorobenzene	98%	100%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	97%	108%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-14MS	G0074094.D	1	08/06/11	EP	n/a	n/a	VG2766
F84619-14MSD	G0074095.D	1	08/06/11	EP	n/a	n/a	VG2766
F84619-14	G0074089.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

CAS No.	Compound	F84619-14 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		310	85.6	28*	94.5	30*	10	61-144/29
107-02-8	Acrolein	ND		310	33.1	11*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	ND		310	163	53*	175	56	7	55-144/24
107-05-1	Allyl chloride	ND		62.1	32.5	52	37.1	60	13	41-152/24
71-43-2	Benzene	ND		62.1	49.1	79	57.4	92	16	78-130/25
108-86-1	Bromobenzene	ND		62.1	49.2	79	57.3	92	15	78-123/30
74-97-5	Bromochloromethane	ND		62.1	46.3	75	54.7	88	17	72-122/23
75-27-4	Bromodichloromethane	ND		62.1	48.6	78	57.4	92	17	73-122/25
75-25-2	Bromoform	ND		62.1	41.1	66*	48.8	79	17	70-139/26
104-51-8	n-Butylbenzene	ND		62.1	31.3	50*	36.0	58*	14	80-138/31
135-98-8	sec-Butylbenzene	ND		62.1	36.5	59*	42.5	68*	15	82-132/29
98-06-6	tert-Butylbenzene	ND		62.1	39.4	63*	45.6	73*	15	79-130/29
108-90-7	Chlorobenzene	ND		62.1	47.4	76*	56.1	90	17	83-122/23
75-00-3	Chloroethane	ND		62.1	57.3	92	68.0	110	17	61-153/31
67-66-3	Chloroform	ND		62.1	51.7	83	59.6	96	14	79-129/27
95-49-8	o-Chlorotoluene	ND		62.1	42.7	69*	51.3	83	18	77-123/31
106-43-4	p-Chlorotoluene	ND		62.1	45.2	73*	51.9	84	14	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		310	205	66	247	80	19	52-142/25
75-15-0	Carbon disulfide	ND		62.1	37.3	60*	44.3	71	17	61-142/27
56-23-5	Carbon tetrachloride	ND		62.1	42.5	68*	49.6	80	15	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.1	47.1	76*	55.9	90	17	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.1	44.2	71	51.4	83	15	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.1	43.8	71*	51.5	83	16	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.1	33.2	53*	40.2	65*	19	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.1	41.0	66*	48.2	78	16	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.1	47.2	76*	54.5	88	14	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.1	45.7	74	53.6	86	16	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.1	41.0	66*	48.1	77*	16	78-118/26
108-20-3	Di-Isopropyl ether	ND		62.1	41.1	66*	47.7	77	15	75-131/24
123-91-1	1,4-Dioxane	ND		1240	1260	101	1580	127	23	67-132/38
594-20-7	2,2-Dichloropropane	ND		62.1	37.3	60*	44.6	72*	18	80-137/28
124-48-1	Dibromochloromethane	ND		62.1	45.7	74*	54.5	88	18	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.1	75.5	122	88.7	143	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.1	50.2	81	57.3	92	13	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.1	42.0	68*	49.6	80	17	79-130/23
541-73-1	m-Dichlorobenzene	ND		62.1	44.2	71*	52.2	84	17	82-126/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-14MS	G0074094.D	1	08/06/11	EP	n/a	n/a	VG2766
F84619-14MSD	G0074095.D	1	08/06/11	EP	n/a	n/a	VG2766
F84619-14	G0074089.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

CAS No.	Compound	F84619-14 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	ND		62.1	45.0	72*	52.6	85	16	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.1	44.3	71*	52.5	85	17	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.1	44.4	72*	52.6	85	17	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.1	41.2	66*	50.5	81*	20	87-131/27
100-41-4	Ethylbenzene	ND		62.1	44.7	72*	52.6	85	16	82-124/25
97-63-2	Ethyl methacrylate	ND		62.1	15.0	24*	17.2	28*	14	78-118/30
591-78-6	2-Hexanone	ND		310	130	42*	154	50*	17	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.1	27.3	44*	31.2	50*	13	77-150/36
98-82-8	Isopropylbenzene	ND		62.1	47.0	76*	54.1	87	14	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.1	37.7	61*	43.4	70*	14	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		310	178	57*	210	68*	16	69-125/24
126-98-7	Methacrylonitrile	ND		621	406	65*	457	74	12	70-138/22
74-83-9	Methyl bromide	ND		62.1	84.1	135	91.5	147*	8	60-146/31
74-87-3	Methyl chloride	ND		62.1	54.1	87	64.5	104	18	58-163/26
74-88-4	Methyl iodide	ND		62.1	43.1	69	49.5	80	14	66-128/27
80-62-6	Methyl methacrylate	ND		62.1	55.2	89	64.5	104	16	73-125/24
74-95-3	Methylene bromide	ND		62.1	45.5	73*	52.4	84	14	75-128/26
75-09-2	Methylene chloride	ND		62.1	51.2	82	61.6	99	18	62-140/25
78-93-3	Methyl ethyl ketone	ND		310	124	40*	141	45*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.1	39.0	63*	45.5	73	15	70-131/25
91-20-3	Naphthalene	ND		62.1	34.7	56*	40.3	65	15	59-143/31
76-01-7	Pentachloroethane	ND		62.1	41.3	67	48.1	77	15	64-156/37
107-12-0	Propionitrile	ND		621	356	57*	391	63*	9	73-133/23
103-65-1	n-Propylbenzene	ND		62.1	40.8	66*	47.5	77*	15	78-129/29
100-42-5	Styrene	ND		62.1	44.6	72*	51.6	83	15	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.1	49.2	79*	59.2	95	18	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.1	47.4	76*	55.1	89	15	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.1	39.6	64*	46.4	75	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.1	41.6	67*	49.0	79	16	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.1	36.8	59*	45.0	72*	20	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.1	41.2	66*	49.0	79	17	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.1	36.7	59*	43.8	71*	18	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		62.1	43.9	71*	52.5	85	18	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.1	41.2	66*	47.8	77*	15	79-129/31
127-18-4	Tetrachloroethylene	ND		62.1	55.9	90	66.1	106	17	79-132/27
109-99-9	Tetrahydrofuran	ND		62.1	29.7	48*	34.0	55*	14	65-137/27

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84619-14MS	G0074094.D	1	08/06/11	EP	n/a	n/a	VG2766
F84619-14MSD	G0074095.D	1	08/06/11	EP	n/a	n/a	VG2766
F84619-14	G0074089.D	1	08/05/11	EP	n/a	n/a	VG2766

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

F84619-14, F84619-16, F84619-17, F84619-18, F84619-19

CAS No.	Compound	F84619-14 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	ND		62.1	46.3	75*	54.3	87	16	80-123/26
79-01-6	Trichloroethylene	ND		62.1	49.5	80	56.1	90	13	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.1	56.9	92	63.2	102	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.1	23.3	38*	31.6	51*	30	74-138/30
75-01-4	Vinyl chloride	ND		62.1	49.3	79	57.0	92	14	60-145/29
1330-20-7	Xylene (total)	ND		186	139	75*	160	86	14	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F84619-14	Limits
1868-53-7	Dibromofluoromethane	103%	101%	101%	80-121%
2037-26-5	Toluene-D8	93%	95%	86%	71-130%
460-00-4	4-Bromofluorobenzene	97%	98%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	84%	101%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84488-1MS	F051284.D	1	08/05/11	WV	n/a	n/a	VF1552
F84488-1MSD	F051285.D	1	08/06/11	WV	n/a	n/a	VF1552
F84488-1 [a]	F051263.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	F84488-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		29500	13900	47*	15000	51*	8	61-144/29
107-02-8	Acrolein	ND		29500	66400	225*	36300	123	59*	27-156/39
107-13-1	Acrylonitrile	ND		29500	19300	65	16900	57	13	55-144/24
107-05-1	Allyl chloride	ND		5900	6620	112	5660	96	16	41-152/24
71-43-2	Benzene	180	J	5900	6170	101	6340	104	3	78-130/25
108-86-1	Bromobenzene	ND		5900	5560	94	6270	106	12	78-123/30
74-97-5	Bromochloromethane	ND		5900	5060	86	5220	88	3	72-122/23
75-27-4	Bromodichloromethane	ND		5900	6200	105	6320	107	2	73-122/25
75-25-2	Bromoform	ND		5900	4910	83	5610	95	13	70-139/26
104-51-8	n-Butylbenzene	ND		5900	5560	94	5480	93	1	80-138/31
135-98-8	sec-Butylbenzene	483	J	5900	6030	94	6510	102	8	82-132/29
98-06-6	tert-Butylbenzene	214	J	5900	6100	100	6800	112	11	79-130/29
108-90-7	Chlorobenzene	ND		5900	5700	97	6320	107	10	83-122/23
75-00-3	Chloroethane	ND		5900	4980	84	4950	84	1	61-153/31
67-66-3	Chloroform	ND		5900	6130	104	6310	107	3	79-129/27
95-49-8	o-Chlorotoluene	ND		5900	5880	100	6490	110	10	77-123/31
106-43-4	p-Chlorotoluene	ND		5900	6130	104	6620	112	8	78-129/29
75-15-0	Carbon disulfide	ND		5900	4930	84	4690	79	5	61-142/27
56-23-5	Carbon tetrachloride	ND		5900	5720	97	5600	95	2	79-135/29
75-34-3	1,1-Dichloroethane	ND		5900	6020	102	6270	106	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		5900	6110	104	6120	104	0	66-132/27
563-58-6	1,1-Dichloropropene	ND		5900	5810	98	5720	97	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		5900	4800	81	5700	97	17	67-129/29
106-93-4	1,2-Dibromoethane	ND		5900	4610	78	5410	92	16	77-126/24
107-06-2	1,2-Dichloroethane	ND		5900	5620	95	5770	98	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		5900	5830	99	6060	103	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		5900	4920	83	5750	97	16	78-118/26
108-20-3	Di-Isopropyl ether	ND		5900	5420	92	5900	100	8	75-131/24
123-91-1	1,4-Dioxane	ND		118000	115000	97	102000	86	12	67-132/38
594-20-7	2,2-Dichloropropane	ND		5900	4230	72*	3580	61*	17	80-137/28
124-48-1	Dibromochloromethane	ND		5900	5030	85	5860	99	15	78-117/27
75-71-8	Dichlorodifluoromethane	ND		5900	9720	165*	9580	162	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		5900	5820	99	6000	102	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		5900	5530	94	5340	90	3	79-130/23
541-73-1	m-Dichlorobenzene	ND		5900	5920	100	6290	107	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		5900	5880	100	6490	110	10	83-123/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84488-1MS	F051284.D	1	08/05/11	WV	n/a	n/a	VF1552
F84488-1MSD	F051285.D	1	08/06/11	WV	n/a	n/a	VF1552
F84488-1 [a]	F051263.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	F84488-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-46-7	p-Dichlorobenzene	ND		5900	5920	100	6260	106	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		5900	5830	99	5960	101	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		5900	5290	90	5670	96	7	87-131/27
100-41-4	Ethylbenzene	1890		5900	7170	89	8030	104	11	82-124/25
97-63-2	Ethyl methacrylate	ND		5900	2260	38*	1310	22*	53*	78-118/30
591-78-6	2-Hexanone	ND		29500	19500	66*	22000	75	12	67-130/29
87-68-3	Hexachlorobutadiene	ND		5900	5820	99	5950	101	2	77-150/36
98-82-8	Isopropylbenzene	17000		5900	20900	66* [b]	24200	122	15	82-133/27
99-87-6	p-Isopropyltoluene	ND		5900	5750	97	6040	102	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		29500	21200	72	25000	85	16	69-125/24
126-98-7	Methacrylonitrile	ND		59000	40700	69*	39400	67*	3	70-138/22
74-83-9	Methyl bromide	ND		5900	5950	101	5920	100	1	60-146/31
74-87-3	Methyl chloride	ND		5900	7280	123	7470	127	3	58-163/26
74-88-4	Methyl iodide	ND		5900	5140	87	5250	89	2	66-128/27
80-62-6	Methyl methacrylate	ND		5900	13800	234*	15500	263*	12	73-125/24
74-95-3	Methylene bromide	ND		5900	5280	89	5380	91	2	75-128/26
75-09-2	Methylene chloride	ND		5900	6200	105	6830	116	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		29500	13100	44*	12700	43*	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		5900	4740	80	5120	87	8	70-131/25
91-20-3	Naphthalene	ND		5900	4760	81	5500	93	14	59-143/31
76-01-7	Pentachloroethane	ND		5900	4830	82	1980	34*	84*	64-156/37
107-12-0	Propionitrile	ND		59000	39800	67*	38200	65*	4	73-133/23
103-65-1	n-Propylbenzene	534	J	5900	5980	92	6510	101	8	78-129/29
100-42-5	Styrene	ND		5900	5690	96	6220	105	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		5900	5770	98	6620	112	14	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		5900	5870	99	5820	99	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		5900	4710	80	5350	91	13	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		5900	6510	110	7740	131*	17	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		5900	5620	95	6050	102	7	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		5900	4840	82	5640	96	15	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		5900	5840	99	6000	102	3	82-137/32
95-63-6	1,2,4-Trimethylbenzene	4810		5900	10200	91	11500	113	12	77-129/29
108-67-8	1,3,5-Trimethylbenzene	735		5900	6060	90	6690	101	10	79-129/31
127-18-4	Tetrachloroethylene	ND		5900	6800	115	9110	154*	29*	79-132/27
109-99-9	Tetrahydrofuran	ND		5900	3870	66	4230	72	9	65-137/27
108-88-3	Toluene	163	J	5900	5740	94	6540	108	13	80-123/26

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84488-1MS	F051284.D	1	08/05/11	WV	n/a	n/a	VF1552
F84488-1MSD	F051285.D	1	08/06/11	WV	n/a	n/a	VF1552
F84488-1 [a]	F051263.D	1	08/05/11	WV	n/a	n/a	VF1552

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

F84619-1, F84619-2, F84619-3, F84619-4, F84619-5, F84619-6, F84619-8, F84619-9, F84619-10, F84619-11, F84619-13

CAS No.	Compound	F84488-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
79-01-6	Trichloroethylene	ND		5900	6080	103	6160	104	1	78-132/28
75-69-4	Trichlorofluoromethane	ND		5900	7400	125	7030	119	5	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		5900	4030	68*	3900	66*	3	74-138/30
75-01-4	Vinyl chloride	ND		5900	6310	107	6740	114	7	60-145/29
1330-20-7	Xylene (total)	6260		17700	22400	91	25200	107	12	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F84488-1	Limits
1868-53-7	Dibromofluoromethane	98%	103%	97%	80-121%
2037-26-5	Toluene-D8	99%	103%	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	96%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	103%	98%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84700-13MS	J067757.D	5	08/08/11	KW	n/a	n/a	VJ3674
F84700-13MSD	J067758.D	5	08/08/11	KW	n/a	n/a	VJ3674
F84700-13	J067748.D	5	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	F84700-13 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	130 U		625	501	80	506	81	1	59-134/14
107-02-8	Acrolein	100 U		625	1630	261*	1690	270*	4	33-157/21
107-13-1	Acrylonitrile	50 U		625	493	79	536	86	8	62-124/13
107-05-1	Allyl chloride	10 U		125	111	89	101	81	9	48-136/13
71-43-2	Benzene	5.0 U		125	124	99	125	100	1	83-124/11
108-86-1	Bromobenzene	5.0 U		125	118	94	119	95	1	83-115/10
74-97-5	Bromochloromethane	5.0 U		125	115	92	109	87	5	78-112/10
75-27-4	Bromodichloromethane	5.0 U		125	101	81	95.0	76	6	76-116/10
75-25-2	Bromoform	5.0 U		125	81.8	65*	74.7	60*	9	68-128/11
104-51-8	n-Butylbenzene	5.0 U		125	107	86	109	87	2	84-124/10
135-98-8	sec-Butylbenzene	5.0 U		125	109	87	115	92	5	86-127/10
98-06-6	tert-Butylbenzene	5.0 U		125	111	89	120	96	8	83-126/10
108-90-7	Chlorobenzene	5.0 U		125	125	100	118	94	6	87-115/9
75-00-3	Chloroethane	10 U		125	139	111	133	106	4	54-166/20
67-66-3	Chloroform	5.0 U		125	118	94	114	91	3	85-123/10
95-49-8	o-Chlorotoluene	5.0 U		125	119	95	126	101	6	84-121/10
106-43-4	p-Chlorotoluene	5.0 U		125	110	88	112	90	2	84-120/10
75-15-0	Carbon disulfide	10 U		125	97.8	78	92.2	74	6	67-147/12
56-23-5	Carbon tetrachloride	5.0 U		125	110	88	99.3	79	10	74-139/13
75-34-3	1,1-Dichloroethane	5.0 U		125	124	99	122	98	2	82-127/10
75-35-4	1,1-Dichloroethylene	5.0 U		125	119	95	119	95	0	75-133/13
563-58-6	1,1-Dichloropropene	5.0 U		125	118	94	115	92	3	87-127/10
106-93-4	1,2-Dibromoethane	5.0 U		125	102	82	104	83	2	80-115/10
107-06-2	1,2-Dichloroethane	5.0 U		125	119	95	118	94	1	76-122/11
78-87-5	1,2-Dichloropropane	5.0 U		125	115	92	119	95	3	81-120/11
142-28-9	1,3-Dichloropropane	5.0 U		125	114	91	113	90	1	81-113/11
108-20-3	Di-Isopropyl ether	5.0 U		125	116	93	118	94	2	75-125/10
123-91-1	1,4-Dioxane	1000 U		2500	1790	72	1990	80	11	59-129/22
594-20-7	2,2-Dichloropropane	5.0 U		125	96.6	77	93.4	75*	3	77-138/12
124-48-1	Dibromochloromethane	5.0 U		125	91.9	74	83.6	67*	9	74-116/11
75-71-8	Dichlorodifluoromethane	10 U		125	137	110	134	107	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	264		125	387	98	377	90	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	5.0 U		125	97.5	78*	90.6	72*	7	83-119/10
541-73-1	m-Dichlorobenzene	5.0 U		125	122	98	123	98	1	86-115/9
95-50-1	o-Dichlorobenzene	5.0 U		125	106	85	109	87	3	85-115/9
106-46-7	p-Dichlorobenzene	5.0 U		125	118	94	117	94	1	87-113/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84700-13MS	J067757.D	5	08/08/11	KW	n/a	n/a	VJ3674
F84700-13MSD	J067758.D	5	08/08/11	KW	n/a	n/a	VJ3674
F84700-13	J067748.D	5	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	F84700-13 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	12.4		125	124	89	117	84	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	5.0	U	125	107	86*	98.1	78*	9	87-123/10
100-41-4	Ethylbenzene	5.0	U	125	112	90	109	87	3	87-118/10
97-63-2	Ethyl methacrylate	25	U	125	104	83	109	87	5	68-110/11
591-78-6	2-Hexanone	50	U	625	617	99	633	101	3	58-125/14
87-68-3	Hexachlorobutadiene	10	U	125	112	90	115	92	3	71-133/12
98-82-8	Isopropylbenzene	5.0	U	125	129	103	126	101	2	87-131/10
99-87-6	p-Isopropyltoluene	5.0	U	125	110	88	113	90	3	83-125/9
108-10-1	4-Methyl-2-pentanone	25	U	625	595	95	611	98	3	62-125/13
126-98-7	Methacrylonitrile	100	U	1250	1330	106	1370	110	3	62-133/17
74-83-9	Methyl bromide	10	U	125	139	111	128	102	8	55-151/21
74-87-3	Methyl chloride	10	U	125	132	106	132	106	0	55-173/22
74-88-4	Methyl iodide	5.0	U	125	116	93	114	91	2	72-125/11
80-62-6	Methyl methacrylate	25	U	125	125	100	130	104	4	63-115/10
74-95-3	Methylene bromide	10	U	125	117	94	113	90	3	81-116/10
75-09-2	Methylene chloride	25	U	125	114	91	109	87	4	69-125/11
78-93-3	Methyl ethyl ketone	25	U	625	490	78	506	81	3	61-127/13
1634-04-4	Methyl Tert Butyl Ether	5.0	U	125	103	82	105	84	2	75-116/10
91-20-3	Naphthalene	25	U	125	96.5	77	110	88	13	59-125/15
76-01-7	Pentachloroethane	50	U	125	127	102	122	98	4	82-111/8
107-12-0	Propionitrile	100	U	1250	1210	97	1260	101	4	69-119/12
103-65-1	n-Propylbenzene	5.0	U	125	115	92	116	93	1	86-125/10
100-42-5	Styrene	5.0	U	125	111	89	104	83	7	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	125	108	86	98.7	79*	9	81-119/10
71-55-6	1,1,1-Trichloroethane	5.0	U	125	114	91	111	89	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	125	102	82	107	86	5	71-120/11
79-00-5	1,1,2-Trichloroethane	5.0	U	125	113	90	115	92	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	5.0	U	125	101	81	113	90	11	64-126/16
96-18-4	1,2,3-Trichloropropane	10	U	125	99.8	80	103	82	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	5.0	U	125	103	82	114	91	10	68-123/11
95-63-6	1,2,4-Trimethylbenzene	10	U	125	104	83	107	86	3	82-120/10
108-67-8	1,3,5-Trimethylbenzene	10	U	125	104	83	105	84	1	83-123/10
127-18-4	Tetrachloroethylene	5.0	U	125	118	94	117	94	1	80-131/12
109-99-9	Tetrahydrofuran	25	U	125	110	88	109	87	1	60-125/16
108-88-3	Toluene	5.0	U	125	125	100	122	98	2	86-116/10
79-01-6	Trichloroethylene	9.9		125	133	98	137	102	3	85-124/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84700-13MS	J067757.D	5	08/08/11	KW	n/a	n/a	VJ3674
F84700-13MSD	J067758.D	5	08/08/11	KW	n/a	n/a	VJ3674
F84700-13	J067748.D	5	08/08/11	KW	n/a	n/a	VJ3674

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	F84700-13 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-69-4	Trichlorofluoromethane	10 U		125	143	114	138	110	4	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	50 U		125	83.8	67	81.0	65	3	51-137/24
75-01-4	Vinyl chloride	3.3	J	125	138	108	140	109	1	57-153/22
1330-20-7	Xylene (total)	15 U		375	333	89	325	87	2	86-120/10

CAS No.	Surrogate Recoveries	MS	MSD	F84700-13	Limits
1868-53-7	Dibromofluoromethane	98%	100%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	106%	76-127%
2037-26-5	Toluene-D8	99%	100%	103%	86-112%
460-00-4	4-Bromofluorobenzene	92%	98%	94%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84760-10MS	O1823.D	50	08/08/11	KW	n/a	n/a	VO88
F84760-10MSD	O1824.D	50	08/08/11	KW	n/a	n/a	VO88
F84760-10	O1816.D	50	08/08/11	KW	n/a	n/a	VO88

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

F84619-15, F84619-29, F84619-30

CAS No.	Compound	F84760-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
110-75-8	2-Chloroethyl vinyl ether	ND		6250	3030	48*	2840	45*	6	63-125/24
96-12-8	1,2-Dibromo-3-chloropropane	ND		1250	1110	89	1110	89	0	61-118/15

CAS No.	Surrogate Recoveries	MS	MSD	F84760-10	Limits
1868-53-7	Dibromofluoromethane	100%	101%	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	101%	76-127%
2037-26-5	Toluene-D8	99%	99%	104%	86-112%
460-00-4	4-Bromofluorobenzene	97%	98%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84866-8MS	F051314.D	1	08/08/11	SH	n/a	n/a	VF1553
F84866-8MSD	F051315.D	1	08/08/11	SH	n/a	n/a	VF1553
F84866-8	F051299.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

CAS No.	Compound	F84866-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	90.3		360	195	29*	188	28*	4	61-144/29
107-02-8	Acrolein	28 U		360	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	28 U		360	209	58	211	60	1	55-144/24
107-05-1	Allyl chloride	28 U		71.9	32.8	46	38.6	55	16	41-152/24
71-43-2	Benzene	5.7 U		71.9	70.7	98	65.6	93	7	78-130/25
108-86-1	Bromobenzene	5.7 U		71.9	66.8	93	52.0	74*	25	78-123/30
74-97-5	Bromochloromethane	5.7 U		71.9	57.5	80	55.5	78	4	72-122/23
75-27-4	Bromodichloromethane	5.7 U		71.9	58.7	82	55.5	78	6	73-122/25
75-25-2	Bromoform	5.7 U		71.9	35.4	49*	35.8	51*	1	70-139/26
104-51-8	n-Butylbenzene	5.7 U		71.9	46.5	65*	40.7	58*	13	80-138/31
135-98-8	sec-Butylbenzene	5.7 U		71.9	58.5	81*	48.6	69*	18	82-132/29
98-06-6	tert-Butylbenzene	5.7 U		71.9	69.9	97	55.6	79	23	79-130/29
108-90-7	Chlorobenzene	5.7 U		71.9	53.1	74*	49.1	69*	8	83-122/23
75-00-3	Chloroethane	5.7 U		71.9	80.7	112	76.2	108	6	61-153/31
67-66-3	Chloroform	5.7 U		71.9	70.4	98	65.4	92	7	79-129/27
95-49-8	o-Chlorotoluene	5.7 U		71.9	70.9	99	54.3	77	27	77-123/31
106-43-4	p-Chlorotoluene	5.7 U		71.9	69.5	97	54.1	76*	25	78-129/29
110-75-8	2-Chloroethyl vinyl ether	28 U		360	ND	0*	ND	0*	nc	52-142/25
75-15-0	Carbon disulfide	5.7 U		71.9	57.6	80	55.0	78	5	61-142/27
56-23-5	Carbon tetrachloride	5.7 U		71.9	63.0	88	52.4	74*	18	79-135/29
75-34-3	1,1-Dichloroethane	5.7 U		71.9	72.7	101	67.8	96	7	77-132/26
75-35-4	1,1-Dichloroethylene	5.7 U		71.9	77.7	108	72.5	103	7	66-132/27
563-58-6	1,1-Dichloropropene	5.7 U		71.9	70.3	98	64.0	90	9	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	5.7 U		71.9	48.5	67	41.8	59*	15	67-129/29
106-93-4	1,2-Dibromoethane	5.7 U		71.9	45.1	63*	44.6	63*	1	77-126/24
107-06-2	1,2-Dichloroethane	5.7 U		71.9	61.5	85	59.3	84	4	78-129/24
78-87-5	1,2-Dichloropropane	5.7 U		71.9	65.9	92	61.9	88	6	74-127/27
142-28-9	1,3-Dichloropropane	5.7 U		71.9	51.6	72*	49.7	70*	4	78-118/26
108-20-3	Di-Isopropyl ether	5.7 U		71.9	63.6	88	61.8	87	3	75-131/24
123-91-1	1,4-Dioxane	230 U		1440	1480	103	1340	95	10	67-132/38
594-20-7	2,2-Dichloropropane	5.7 U		71.9	56.5	79*	52.1	74*	8	80-137/28
124-48-1	Dibromochloromethane	5.7 U		71.9	43.9	61*	42.5	60*	3	78-117/27
75-71-8	Dichlorodifluoromethane	5.7 U		71.9	99.5	138	92.0	130	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	5.7 U		71.9	67.3	94	62.7	89	7	74-123/26
10061-01-5	cis-1,3-Dichloropropene	5.7 U		71.9	46.9	65*	48.0	68*	2	79-130/23
541-73-1	m-Dichlorobenzene	5.7 U		71.9	51.9	72*	43.6	62*	17	82-126/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84866-8MS	F051314.D	1	08/08/11	SH	n/a	n/a	VF1553
F84866-8MSD	F051315.D	1	08/08/11	SH	n/a	n/a	VF1553
F84866-8	F051299.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

CAS No.	Compound	F84866-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	o-Dichlorobenzene	5.7 U		71.9	45.1	63*	39.8	56*	12	83-123/28
106-46-7	p-Dichlorobenzene	5.7 U		71.9	50.0	70*	43.0	61*	15	84-124/28
156-60-5	trans-1,2-Dichloroethylene	5.7 U		71.9	69.6	97	65.3	92	6	77-129/27
10061-02-6	trans-1,3-Dichloropropene	5.7 U		71.9	43.7	61*	44.8	63*	2	87-131/27
100-41-4	Ethylbenzene	5.7 U		71.9	59.3	82	52.4	74*	12	82-124/25
97-63-2	Ethyl methacrylate	28 U		71.9	9.0	13*	11.6	16*	25	78-118/30
591-78-6	2-Hexanone	28 U		360	180	50*	187	53*	4	67-130/29
87-68-3	Hexachlorobutadiene	5.7 U		71.9	22.4	31*	22.7	32*	1	77-150/36
98-82-8	Isopropylbenzene	5.7 U		71.9	59.4	83	55.5	78*	7	82-133/27
99-87-6	p-Isopropyltoluene	5.7 U		71.9	57.3	80*	47.8	68*	18	82-132/29
108-10-1	4-Methyl-2-pentanone	28 U		360	231	64*	234	66*	1	69-125/24
126-98-7	Methacrylonitrile	28 U		719	439	61*	459	65*	4	70-138/22
74-83-9	Methyl bromide	5.7 U		71.9	65.4	91	62.5	88	5	60-146/31
74-87-3	Methyl chloride	5.7 U		71.9	78.2	109	74.2	105	5	58-163/26
74-88-4	Methyl iodide	11 U		71.9	45.5	63*	45.9	65*	1	66-128/27
80-62-6	Methyl methacrylate	5.7 U		71.9	54.4	76	58.2	82	7	73-125/24
74-95-3	Methylene bromide	5.7 U		71.9	55.8	78	55.8	79	0	75-128/26
75-09-2	Methylene chloride	11 U		71.9	123	171*	93.1	132	28*	62-140/25
78-93-3	Methyl ethyl ketone	32.6		360	155	34*	161	36*	4	66-134/23
1634-04-4	Methyl Tert Butyl Ether	5.7 U		71.9	53.6	75	54.0	76	1	70-131/25
91-20-3	Naphthalene	3.6	I	71.9	18.6	21*	19.0	22*	2	59-143/31
76-01-7	Pentachloroethane	28 U		71.9	68.5	95	50.0	71	31	64-156/37
107-12-0	Propionitrile	57 U		719	429	60*	448	63*	4	73-133/23
103-65-1	n-Propylbenzene	5.7 U		71.9	74.6	104	56.6	80	27	78-129/29
100-42-5	Styrene	5.7 U		71.9	31.0	43*	35.6	50*	14	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	5.7 U		71.9	53.9	75*	49.6	70*	8	81-121/25
71-55-6	1,1,1-Trichloroethane	5.7 U		71.9	72.1	100	65.7	93	9	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	5.7 U		71.9	61.1	85	49.3	70	21	70-128/30
79-00-5	1,1,2-Trichloroethane	5.7 U		71.9	53.3	74*	51.0	72*	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	5.7 U		71.9	15.8	22*	16.8	24*	6	78-136/34
96-18-4	1,2,3-Trichloropropane	5.7 U		71.9	67.8	94	54.4	77	22	74-125/30
120-82-1	1,2,4-Trichlorobenzene	5.7 U		71.9	20.4	28*	20.9	30*	2	82-137/32
95-63-6	1,2,4-Trimethylbenzene	3.9	I	71.9	74.2	98	54.3	71*	31*	77-129/29
108-67-8	1,3,5-Trimethylbenzene	5.7 U		71.9	67.2	93	51.3	73*	27	79-129/31
127-18-4	Tetrachloroethylene	5.7 U		71.9	60.1	84	54.6	77*	10	79-132/27
109-99-9	Tetrahydrofuran	11 U		71.9	40.1	56*	41.6	59*	4	65-137/27

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F84619
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
F84866-8MS	F051314.D	1	08/08/11	SH	n/a	n/a	VF1553
F84866-8MSD	F051315.D	1	08/08/11	SH	n/a	n/a	VF1553
F84866-8	F051299.D	1	08/08/11	SH	n/a	n/a	VF1553

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

F84619-7, F84619-12

CAS No.	Compound	F84866-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	5.7 U		71.9	77.9	108	61.0	86	24	80-123/26
79-01-6	Trichloroethylene	5.7 U		71.9	69.9	97	63.6	90	9	78-132/28
75-69-4	Trichlorofluoromethane	5.7 U		71.9	88.2	123	80.2	113	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	28 U		71.9	29.1	40*	30.0	42*	3	74-138/30
75-01-4	Vinyl chloride	5.7 U		71.9	73.1	102	66.5	94	9	60-145/29
1330-20-7	Xylene (total)	17 U		216	179	83	156	74*	14	83-127/24

CAS No.	Surrogate Recoveries	MS	MSD	F84866-8	Limits
1868-53-7	Dibromofluoromethane	92%	99%	98%	80-121%
2037-26-5	Toluene-D8	108%	101%	101%	71-130%
460-00-4	4-Bromofluorobenzene	130%	115%	124%	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	94%	92%	77-123%