

Technical Report for

Compliance & Closure, Inc.

KRB Construction - San Leandro, CA

12199-1

Accutest Job Number: C19157

Sampling Date: 11/29/11

Report to:

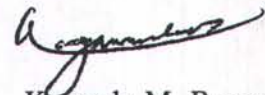
Compliance & Closure, Inc.
4115 Blackhawk Plaza Circle Suite 100
Danville, CA 94506
gary@cci-envr.com

ATTN: Gary Mulkey

Total number of pages in report: 42



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.



Kesavalu M. Bagawandoss,
Ph.D., J.D., Lab Director

Client Service contact: Diane Theesen 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Sample Summary

Compliance & Closure, Inc.

Job No: C19157

KRB Construction - San Leandro, CA
Project No: 12199-1

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
C19157-1	11/29/11	13:40 GM	11/29/11	SO	Soil	S-1
C19157-2	11/29/11	13:45 GM	11/29/11	SO	Soil	S-2

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

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	S-1	Date Sampled:	11/29/11
Lab Sample ID:	C19157-1	Date Received:	11/29/11
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8260B		
Project:	KRB Construction - San Leandro, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L12697.D	1	11/30/11	XB	n/a	n/a	VL392
Run #2							

Run #	Initial Weight
Run #1	5.04 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	99	20	ug/kg	
71-43-2	Benzene	ND	5.0	1.5	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.99	ug/kg	
75-25-2	Bromoform	ND	5.0	0.99	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.5	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.5	ug/kg	
67-66-3	Chloroform	ND	5.0	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.99	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.99	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.99	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.99	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	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.5	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:	S-1	Date Sampled:	11/29/11
Lab Sample ID:	C19157-1	Date Received:	11/29/11
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8260B		
Project:	KRB Construction - San Leandro, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	1.5	ug/kg	
591-78-6	2-Hexanone	ND	40	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	0.99	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	40	15	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.5	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.5	ug/kg	
75-09-2	Methylene chloride	ND	25	16	ug/kg	
78-93-3	Methyl ethyl ketone	ND	40	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	0.99	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	1.2	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	9.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	3.5	ug/kg	
108-88-3	Toluene	ND	5.0	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.99	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	9.9	4.0	ug/kg	
	TPH-GRO (C6-C10)	ND	99	50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%

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: S-1	Date Sampled: 11/29/11
Lab Sample ID: C19157-1	Date Received: 11/29/11
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8260B	
Project: KRB Construction - San Leandro, CA	

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		60-130%
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) All results reported on wet weight basis.

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: S-1	Date Sampled: 11/29/11
Lab Sample ID: C19157-1	Date Received: 11/29/11
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015B M SW846 3545A	
Project: KRB Construction - San Leandro, CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG30300.D	1	12/01/11	JH	11/30/11	OP4991	GGG810
Run #2							

	Initial Weight	Final Volume
Run #1	10.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	5.21	10	5.0	mg/kg	J
	TPH (> C28-C40)	11.2	20	10	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	78%		45-140%

(a) All results reported on wet weight basis.

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: S-1	Date Sampled: 11/29/11
Lab Sample ID: C19157-1	Date Received: 11/29/11
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: KRB Construction - San Leandro, CA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 1.9	1.9	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	4.8	1.9	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium ^b	< 4.7	4.7	mg/kg	5	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	< 0.94	0.94	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	37.5	0.94	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Copper	12.5	2.4	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Lead	5.2	1.9	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	< 0.037	0.037	mg/kg	1	12/07/11	12/09/11 RW	SW846 7471A ²	SW846 7471A ³
Nickel	41.1	0.94	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Selenium	< 1.9	1.9	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Silver ^b	< 4.7	4.7	mg/kg	5	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	< 1.9	1.9	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	37.8	1.9	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴

(1) Instrument QC Batch: MA2230

(2) Instrument QC Batch: MA2233

(3) Prep QC Batch: MP4270

(4) Prep QC Batch: MP4278

(a) All results reported on wet weight basis.

(b) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S-2	Date Sampled:	11/29/11
Lab Sample ID:	C19157-2	Date Received:	11/29/11
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8260B		
Project:	KRB Construction - San Leandro, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L12698.D	1	11/30/11	XB	n/a	n/a	VL392
Run #2							

Run #	Initial Weight
Run #1	5.00 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	20	ug/kg	
71-43-2	Benzene	ND	5.0	1.5	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.5	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.5	ug/kg	
67-66-3	Chloroform	ND	5.0	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	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	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.5	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:	S-2	Date Sampled:	11/29/11
Lab Sample ID:	C19157-2	Date Received:	11/29/11
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8260B		
Project:	KRB Construction - San Leandro, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	1.5	ug/kg	
591-78-6	2-Hexanone	ND	40	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	40	15	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.5	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.5	ug/kg	
75-09-2	Methylene chloride	ND	25	16	ug/kg	
78-93-3	Methyl ethyl ketone	ND	40	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	1.2	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	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	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	3.5	ug/kg	
108-88-3	Toluene	ND	5.0	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	10	4.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		60-130%

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: S-2	Date Sampled: 11/29/11
Lab Sample ID: C19157-2	Date Received: 11/29/11
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8260B	
Project: KRB Construction - San Leandro, CA	

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		60-130%
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) All results reported on wet weight basis.

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:	S-2	Date Sampled:	11/29/11
Lab Sample ID:	C19157-2	Date Received:	11/29/11
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8015B M SW846 3545A		
Project:	KRB Construction - San Leandro, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH19181.D	1	12/01/11	JH	11/30/11	OP4991	GHH618
Run #2							

	Initial Weight	Final Volume
Run #1	10.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	7.79	10	5.0	mg/kg	J
	TPH (> C28-C40)	22.5	20	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	76%		45-140%

(a) All results reported on wet weight basis.

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: S-2	Date Sampled: 11/29/11
Lab Sample ID: C19157-2	Date Received: 11/29/11
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: KRB Construction - San Leandro, CA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 1.8	1.8	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	4.7	1.8	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	< 0.92	0.92	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	< 0.92	0.92	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	37.9	0.92	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Copper	14.9	2.3	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Lead	7.3	1.8	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	< 0.037	0.037	mg/kg	1	12/07/11	12/09/11 RW	SW846 7471A ²	SW846 7471A ³
Nickel	36.8	0.92	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Selenium	< 1.8	1.8	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Silver	< 0.92	0.92	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	< 1.8	1.8	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	40.1	1.8	mg/kg	1	12/06/11	12/07/11 RS	SW846 6010B ¹	SW846 3050B ⁴

(1) Instrument QC Batch: MA2230

(2) Instrument QC Batch: MA2233

(3) Prep QC Batch: MP4270

(4) Prep QC Batch: MP4278

(a) All results reported on wet weight basis.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

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: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-MB	L12693.D	1	11/30/11	XB	n/a	n/a	VL392

4.1.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	20	ug/kg	
71-43-2	Benzene	ND	5.0	1.5	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.5	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.5	ug/kg	
67-66-3	Chloroform	ND	5.0	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	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	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.5	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	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	1.5	ug/kg	

Method Blank Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-MB	L12693.D	1	11/30/11	XB	n/a	n/a	VL392

4.1.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	40	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	40	15	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.5	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.5	ug/kg	
75-09-2	Methylene chloride	ND	25	16	ug/kg	
78-93-3	Methyl ethyl ketone	ND	40	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.5	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	1.2	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	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	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	3.5	ug/kg	
108-88-3	Toluene	ND	5.0	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	10	4.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	50	ug/kg	

Method Blank Summary

Job Number: C19157
Account: CCCAD Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-MB	L12693.D	1	11/30/11	XB	n/a	n/a	VL392

4.1.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	60-130%
2037-26-5	Toluene-D8	101%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-BS	L12690.D	1	11/30/11	XB	n/a	n/a	VL392
VL392-BSD	L12691.D	1	11/30/11	XB	n/a	n/a	VL392

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	154	96	153	96	1	60-130/30
71-43-2	Benzene	40	39.3	98	39.2	98	0	60-130/30
108-86-1	Bromobenzene	40	38.3	96	38.3	96	0	60-130/30
74-97-5	Bromochloromethane	40	37.6	94	36.9	92	2	60-130/30
75-27-4	Bromodichloromethane	40	39.8	100	39.3	98	1	60-130/30
75-25-2	Bromoform	40	37.9	95	38.5	96	2	60-130/30
104-51-8	n-Butylbenzene	40	39.9	100	39.9	100	0	60-130/30
135-98-8	sec-Butylbenzene	40	40.1	100	40.0	100	0	60-130/30
98-06-6	tert-Butylbenzene	40	39.3	98	39.3	98	0	60-130/30
108-90-7	Chlorobenzene	40	38.1	95	38.4	96	1	60-130/30
75-00-3	Chloroethane	40	40.9	102	39.4	99	4	60-130/30
67-66-3	Chloroform	40	39.0	98	38.6	97	1	60-130/30
95-49-8	o-Chlorotoluene	40	41.0	103	40.6	102	1	60-130/30
106-43-4	p-Chlorotoluene	40	39.6	99	39.8	100	1	60-130/30
56-23-5	Carbon tetrachloride	40	41.3	103	41.1	103	0	60-130/30
75-34-3	1,1-Dichloroethane	40	39.4	99	38.9	97	1	60-130/30
75-35-4	1,1-Dichloroethylene	40	39.3	98	38.9	97	1	60-130/30
563-58-6	1,1-Dichloropropene	40	40.9	102	40.2	101	2	60-130/30
96-12-8	1,2-Dibromo-3-chloropropane	40	37.0	93	37.2	93	1	60-130/30
106-93-4	1,2-Dibromoethane	40	37.4	94	37.9	95	1	60-130/30
107-06-2	1,2-Dichloroethane	40	39.3	98	39.0	98	1	60-130/30
78-87-5	1,2-Dichloropropane	40	39.2	98	39.0	98	1	60-130/30
142-28-9	1,3-Dichloropropane	40	38.2	96	38.6	97	1	60-130/30
108-20-3	Di-Isopropyl ether	40	39.0	98	38.6	97	1	60-130/30
594-20-7	2,2-Dichloropropane	40	39.5	99	39.1	98	1	60-130/30
124-48-1	Dibromochloromethane	40	38.3	96	38.7	97	1	60-130/30
75-71-8	Dichlorodifluoromethane	40	38.1	95	36.5	91	4	60-130/30
156-59-2	cis-1,2-Dichloroethylene	40	37.9	95	37.6	94	1	60-130/30
10061-01-5	cis-1,3-Dichloropropene	40	39.1	98	38.8	97	1	60-130/30
541-73-1	m-Dichlorobenzene	40	38.6	97	38.5	96	0	60-130/30
95-50-1	o-Dichlorobenzene	40	38.2	96	38.1	95	0	60-130/30
106-46-7	p-Dichlorobenzene	40	38.3	96	38.4	96	0	60-130/30
156-60-5	trans-1,2-Dichloroethylene	40	38.8	97	38.3	96	1	60-130/30
10061-02-6	trans-1,3-Dichloropropene	40	38.7	97	38.8	97	0	60-130/30
100-41-4	Ethylbenzene	40	39.3	98	39.9	100	2	60-130/30
637-92-3	Ethyl tert-Butyl Ether	40	38.7	97	38.5	96	1	60-130/30

4.2.1
4

Blank Spike/Blank Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-BS	L12690.D	1	11/30/11	XB	n/a	n/a	VL392
VL392-BSD	L12691.D	1	11/30/11	XB	n/a	n/a	VL392

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	154	96	155	97	1	60-130/30
87-68-3	Hexachlorobutadiene	40	40.1	100	40.4	101	1	60-130/30
98-82-8	Isopropylbenzene	40	39.5	99	40.0	100	1	60-130/30
99-87-6	p-Isopropyltoluene	40	39.6	99	39.8	100	1	60-130/30
108-10-1	4-Methyl-2-pentanone	160	153	96	151	94	1	60-130/30
74-83-9	Methyl bromide	40	39.6	99	38.5	96	3	60-130/30
74-87-3	Methyl chloride	40	38.6	97	36.0	90	7	60-130/30
74-95-3	Methylene bromide	40	38.4	96	38.2	96	1	60-130/30
75-09-2	Methylene chloride	40	38.2	96	37.6	94	2	60-130/30
78-93-3	Methyl ethyl ketone	160	151	94	149	93	1	60-130/30
1634-04-4	Methyl Tert Butyl Ether	40	38.6	97	38.3	96	1	60-130/30
91-20-3	Naphthalene	40	37.7	94	38.3	96	2	60-130/30
103-65-1	n-Propylbenzene	40	39.9	100	40.0	100	0	60-130/30
100-42-5	Styrene	40	38.8	97	39.2	98	1	60-130/30
994-05-8	Tert-Amyl Methyl Ether	40	38.0	95	37.8	95	1	60-130/30
75-65-0	Tert Butyl Alcohol	200	206	103	209	105	1	60-130/30
630-20-6	1,1,1,2-Tetrachloroethane	40	38.4	96	38.5	96	0	60-130/30
71-55-6	1,1,1-Trichloroethane	40	40.1	100	39.8	100	1	60-130/30
79-34-5	1,1,2,2-Tetrachloroethane	40	39.0	98	38.5	96	1	60-130/30
79-00-5	1,1,2-Trichloroethane	40	37.6	94	37.8	95	1	60-130/30
87-61-6	1,2,3-Trichlorobenzene	40	37.1	93	37.7	94	2	60-130/30
96-18-4	1,2,3-Trichloropropane	40	38.1	95	38.6	97	1	60-130/30
120-82-1	1,2,4-Trichlorobenzene	40	37.6	94	37.7	94	0	60-130/30
95-63-6	1,2,4-Trimethylbenzene	40	39.2	98	39.4	99	1	60-130/30
108-67-8	1,3,5-Trimethylbenzene	40	39.3	98	39.3	98	0	60-130/30
127-18-4	Tetrachloroethylene	40	35.9	90	38.6	97	7	60-130/30
108-88-3	Toluene	40	38.9	97	39.1	98	1	60-130/30
79-01-6	Trichloroethylene	40	38.8	97	38.8	97	0	60-130/30
75-69-4	Trichlorofluoromethane	40	42.0	105	39.9	100	5	60-130/30
75-01-4	Vinyl chloride	40	42.0	105	40.4	101	4	60-130/30
1330-20-7	Xylene (total)	120	116	97	117	98	1	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	98%	60-130%

4.2.1
4

Blank Spike/Blank Spike Duplicate Summary

Job Number: C19157
Account: CCCAD Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-BS	L12690.D	1	11/30/11	XB	n/a	n/a	VL392
VL392-BSD	L12691.D	1	11/30/11	XB	n/a	n/a	VL392

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	100%	100%	60-130%
460-00-4	4-Bromofluorobenzene	100%	101%	60-130%

4.2.1
4

Laboratory Control Sample Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL392-LCS	L12692.D	1	11/30/11	XB	n/a	n/a	VL392

4.3.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	234	94	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	60-130%
2037-26-5	Toluene-D8	101%	60-130%
460-00-4	4-Bromofluorobenzene	101%	60-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C19161-8MS	L12702.D	1	11/30/11	XB	n/a	n/a	VL392
C19161-8MSD	L12703.D	1	11/30/11	XB	n/a	n/a	VL392
C19161-8	L12695.D	1	11/30/11	XB	n/a	n/a	VL392

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	C19161-8 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	159	177	111	162	104	9	60-130/30
71-43-2	Benzene	ND	39.8	38.1	96	35.4	91	7	60-130/30
108-86-1	Bromobenzene	ND	39.8	36.2	91	34.7	89	4	60-130/30
74-97-5	Bromochloromethane	ND	39.8	39.0	98	36.7	95	6	60-130/30
75-27-4	Bromodichloromethane	ND	39.8	37.9	95	35.0	90	8	60-130/30
75-25-2	Bromoform	ND	39.8	41.1	103	39.5	102	4	60-130/30
104-51-8	n-Butylbenzene	ND	39.8	37.4	94	34.6	89	8	60-130/30
135-98-8	sec-Butylbenzene	ND	39.8	38.3	96	35.3	91	8	60-130/30
98-06-6	tert-Butylbenzene	ND	39.8	37.4	94	34.6	89	8	60-130/30
108-90-7	Chlorobenzene	ND	39.8	36.2	91	34.2	88	6	60-130/30
75-00-3	Chloroethane	ND	39.8	40.5	102	36.7	95	10	60-130/30
67-66-3	Chloroform	ND	39.8	39.1	98	35.7	92	9	60-130/30
95-49-8	o-Chlorotoluene	ND	39.8	38.8	97	36.3	93	7	60-130/30
106-43-4	p-Chlorotoluene	ND	39.8	37.4	94	34.9	90	7	60-130/30
56-23-5	Carbon tetrachloride	ND	39.8	40.9	103	36.5	94	11	60-130/30
75-34-3	1,1-Dichloroethane	ND	39.8	38.6	97	35.3	91	9	60-130/30
75-35-4	1,1-Dichloroethylene	ND	39.8	36.5	92	33.1	85	10	60-130/30
563-58-6	1,1-Dichloropropene	ND	39.8	39.5	99	36.0	93	9	60-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND	39.8	43.8	110	41.1	106	6	60-130/30
106-93-4	1,2-Dibromoethane	ND	39.8	39.9	100	38.5	99	4	60-130/30
107-06-2	1,2-Dichloroethane	ND	39.8	41.0	103	38.3	99	7	60-130/30
78-87-5	1,2-Dichloropropane	ND	39.8	38.6	97	35.8	92	8	60-130/30
142-28-9	1,3-Dichloropropane	ND	39.8	40.0	100	38.0	98	5	60-130/30
108-20-3	Di-Isopropyl ether	ND	39.8	38.4	96	35.4	91	8	60-130/30
594-20-7	2,2-Dichloropropane	ND	39.8	40.3	101	35.5	91	13	60-130/30
124-48-1	Dibromochloromethane	ND	39.8	38.1	96	36.3	93	5	60-130/30
75-71-8	Dichlorodifluoromethane	ND	39.8	37.2	93	32.5	84	13	60-130/30
156-59-2	cis-1,2-Dichloroethylene	ND	39.8	38.0	95	35.1	90	8	60-130/30
10061-01-5	cis-1,3-Dichloropropene	ND	39.8	38.9	98	36.5	94	6	60-130/30
541-73-1	m-Dichlorobenzene	ND	39.8	35.8	90	33.7	87	6	60-130/30
95-50-1	o-Dichlorobenzene	ND	39.8	36.7	92	34.7	89	6	60-130/30
106-46-7	p-Dichlorobenzene	ND	39.8	36.0	90	34.1	88	5	60-130/30
156-60-5	trans-1,2-Dichloroethylene	ND	39.8	37.8	95	34.6	89	9	60-130/30
10061-02-6	trans-1,3-Dichloropropene	ND	39.8	36.0	90	34.1	88	5	60-130/30
100-41-4	Ethylbenzene	ND	39.8	38.0	95	35.2	91	8	60-130/30
637-92-3	Ethyl tert-Butyl Ether	ND	39.8	41.7	105	38.5	99	8	60-130/30

4.4.1
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C19161-8MS	L12702.D	1	11/30/11	XB	n/a	n/a	VL392
C19161-8MSD	L12703.D	1	11/30/11	XB	n/a	n/a	VL392
C19161-8	L12695.D	1	11/30/11	XB	n/a	n/a	VL392

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Compound	C19161-8 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND	159	195	122	185	119	5	60-130/30
87-68-3	Hexachlorobutadiene	ND	39.8	37.0	93	34.3	88	8	60-130/30
98-82-8	Isopropylbenzene	ND	39.8	33.6	84	30.9	80	8	60-130/30
99-87-6	p-Isopropyltoluene	ND	39.8	35.5	89	32.7	84	8	60-130/30
108-10-1	4-Methyl-2-pentanone	ND	159	185	116	175	113	6	60-130/30
74-83-9	Methyl bromide	ND	39.8	39.7	100	36.2	93	9	60-130/30
74-87-3	Methyl chloride	ND	39.8	34.4	86	31.0	80	10	60-130/30
74-95-3	Methylene bromide	ND	39.8	39.1	98	37.0	95	6	60-130/30
75-09-2	Methylene chloride	ND	39.8	38.7	97	35.7	92	8	60-130/30
78-93-3	Methyl ethyl ketone	ND	159	186	117	175	113	6	60-130/30
1634-04-4	Methyl Tert Butyl Ether	ND	39.8	42.8	107	40.0	103	7	60-130/30
91-20-3	Naphthalene	ND	39.8	40.9	103	39.3	101	4	60-130/30
103-65-1	n-Propylbenzene	ND	39.8	37.5	94	34.6	89	8	60-130/30
100-42-5	Styrene	ND	39.8	37.6	94	35.3	91	6	60-130/30
994-05-8	Tert-Amyl Methyl Ether	ND	39.8	41.2	103	38.5	99	7	60-130/30
75-65-0	Tert Butyl Alcohol	ND	199	260	131* a	245	126	6	60-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND	39.8	37.6	94	35.3	91	6	60-130/30
71-55-6	1,1,1-Trichloroethane	ND	39.8	41.1	103	36.7	95	11	60-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND	39.8	43.9	110	41.5	107	6	60-130/30
79-00-5	1,1,2-Trichloroethane	ND	39.8	39.9	100	38.1	98	5	60-130/30
87-61-6	1,2,3-Trichlorobenzene	ND	39.8	35.9	90	34.1	88	5	60-130/30
96-18-4	1,2,3-Trichloropropane	ND	39.8	43.9	110	41.4	107	6	60-130/30
120-82-1	1,2,4-Trichlorobenzene	ND	39.8	33.5	84	31.6	81	6	60-130/30
95-63-6	1,2,4-Trimethylbenzene	ND	39.8	37.7	95	34.8	90	8	60-130/30
108-67-8	1,3,5-Trimethylbenzene	ND	39.8	38.3	96	35.4	91	8	60-130/30
127-18-4	Tetrachloroethylene	ND	39.8	36.7	92	34.9	90	5	60-130/30
108-88-3	Toluene	ND	39.8	36.9	93	34.6	89	6	60-130/30
79-01-6	Trichloroethylene	ND	39.8	37.7	95	34.8	90	8	60-130/30
75-69-4	Trichlorofluoromethane	ND	39.8	41.7	105	37.0	95	12	60-130/30
75-01-4	Vinyl chloride	ND	39.8	47.1	118	42.3	109	11	60-130/30
1330-20-7	Xylene (total)	ND	120	111	93	103	88	7	60-130/30

CAS No.	Surrogate Recoveries	MS	MSD	C19161-8	Limits
1868-53-7	Dibromofluoromethane	103%	102%	97%	60-130%

4.4.1
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C19161-8MS	L12702.D	1	11/30/11	XB	n/a	n/a	VL392
C19161-8MSD	L12703.D	1	11/30/11	XB	n/a	n/a	VL392
C19161-8	L12695.D	1	11/30/11	XB	n/a	n/a	VL392

The QC reported here applies to the following samples:

Method: SW846 8260B

C19157-1, C19157-2

CAS No.	Surrogate Recoveries	MS	MSD	C19161-8	Limits
2037-26-5	Toluene-D8	99%	99%	100%	60-130%
460-00-4	4-Bromofluorobenzene	102%	103%	101%	60-130%

(a) Outside laboratory control limits.

4.4.1
4

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: C19157
Account: CCCAD Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4991-MB	GG30297.D	1	12/01/11	JH	11/30/11	OP4991	GGG810

The QC reported here applies to the following samples:

Method: SW846 8015B M

C19157-1, C19157-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	5.0	mg/kg	
	TPH (> C28-C40)	ND	20	10	mg/kg	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	88% 45-140%

5.1.1
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4991-BS	GG30298.D	1	12/01/11	JH	11/30/11	OP4991	GGG810
OP4991-BSD	GG30299.D	1	12/01/11	JH	11/30/11	OP4991	GGG810

The QC reported here applies to the following samples:

Method: SW846 8015B M

C19157-1, C19157-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	100	71.4	71	71.7	72	0	45-140/30
	TPH (> C28-C40)	100	81.8	82	81.2	81	1	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	90%	86%	45-140%

5.2.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C19157
 Account: CCCAD Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4991-MS	HH19175.D	1	12/01/11	JH	11/30/11	OP4991	GHH618
OP4991-MSD	HH19176.D	1	12/01/11	JH	11/30/11	OP4991	GHH618
C19157-1	GG30300.D	1	12/01/11	JH	11/30/11	OP4991	GGG810

The QC reported here applies to the following samples:

Method: SW846 8015B M

C19157-1, C19157-2

CAS No.	Compound	C19157-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	5.21	J	100	126	121	126	121	0	45-140/30
	TPH (> C28-C40)	11.2	J	100	177	166*	176	165*	1	45-140/30

CAS No.	Surrogate Recoveries	MS	MSD	C19157-1	Limits
630-01-3	Hexacosane	87%	78%	78%	45-140%

5.3.1
5

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C19157
Account: CCCAD - Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4270
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 12/07/11

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0017	.0043	-0.0052	<0.042

Associated samples MP4270: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C19157
Account: CCCAD - Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4270
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 12/07/11

Metal	C19157-1 Original MS	Spikelot HGPWS1	% Rec	QC Limits	
Mercury	0.020	0.32	0.299	100.5	75-125

Associated samples MP4270: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested

6.1.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C19157
Account: CCCAD - Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4270
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 12/07/11

Metal	C19157-1, Original MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit	
Mercury	0.020	0.33	0.29	107.0	3.1	20

Associated samples MP4270: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

6.1.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C19157
Account: CCCAD - Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4270
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 12/07/11

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.18	0.167	108.0	80-120

Associated samples MP4270: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C19157
Account: CCCAD - Compliance & Closure, Inc.
Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4278
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/06/11

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.3	2		
Antimony	2.0	.07	.087	-0.040	<2.0
Arsenic	2.0	.07	.07	0.19	<2.0
Barium	20	.04	.035		
Beryllium	1.0	.02	.012	0.0	<1.0
Boron	10	.09	.2		
Cadmium	1.0	.02	.015	0.020	<1.0
Calcium	500	.71	7.6		
Chromium	1.0	.03	.054	0.040	<1.0
Cobalt	1.0	.02	.022		
Copper	2.5	.12	.19	0.15	<2.5
Iron	20	.64	1.6		
Lead	2.0	.07	.054	0.020	<2.0
Magnesium	500	2.7	1.5		
Manganese	1.5	.01	.054		
Molybdenum	2.0	.02	.024		
Nickel	1.0	.02	.024	0.040	<1.0
Potassium	1000	1.8	1.3		
Selenium	2.0	.18	.23	0.22	<2.0
Silicon		.12			
Silver	1.0	.03	.044	-0.040	<1.0
Sodium	1000	1.5	4.8		
Strontium	1.0	.02	.017		
Thallium	2.0	.05	.073	-0.030	<2.0
Tin	50	.02	.41		
Titanium	1.0	.04	.079		
Vanadium	1.0	.03	.025		
Zinc	2.0	.03	.098	0.26	<2.0

Associated samples MP4278: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C19157
 Account: CCCAD - Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4278
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/06/11

Metal	C19135-8 Original MS	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	0.58	27.1	49.4	53.6N(a) 75-125
Arsenic	1.4	47.6	49.4	93.5 75-125
Barium	anr			
Beryllium	0.090	47.2	49.4	95.3 75-125
Boron				
Cadmium	0.040	47.2	49.4	95.4 75-125
Calcium				
Chromium	51.6	99.9	49.4	97.7 75-125
Cobalt	anr			
Copper	5.2	51.5	49.4	93.7 75-125
Iron				
Lead	1.5	49.0	49.4	96.1 75-125
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	44.2	92.1	49.4	96.9 75-125
Potassium				
Selenium	0.50	44.9	49.4	89.8 75-125
Silicon				
Silver	0.30	45.4	49.4	91.2 75-125
Sodium				
Strontium				
Thallium	0.050	48.2	49.4	97.4 75-125
Tin				
Titanium				
Vanadium	anr			
Zinc	18.9	67.2	49.4	97.7 75-125

Associated samples MP4278: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

6.2.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C19157
 Account: CCCAD - Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4278
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/06/11

Metal	C19135-8 Original MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum					
Antimony	0.58	28.2	50.3	54.9N(a) 4.0	20
Arsenic	1.4	48.6	50.3	93.9	2.1
Barium	anr				
Beryllium	0.090	51.1	50.3	101.5	7.9
Boron					
Cadmium	0.040	47.8	50.3	95.0	1.3
Calcium					
Chromium	51.6	103	50.3	102.2	3.1
Cobalt	anr				
Copper	5.2	51.3	50.3	91.7	0.4
Iron					
Lead	1.5	49.5	50.3	95.5	1.0
Magnesium					
Manganese					
Molybdenum	anr				
Nickel	44.2	92.4	50.3	95.9	0.3
Potassium					
Selenium	0.50	44.5	50.3	87.5	0.9
Silicon					
Silver	0.30	44.9	50.3	88.7	1.1
Sodium					
Strontium					
Thallium	0.050	46.4	50.3	92.2	3.8
Tin					
Titanium					
Vanadium	anr				
Zinc	18.9	68.4	50.3	98.5	1.8

Associated samples MP4278: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

6.2.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C19157
 Account: CCCAD - Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4278
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/06/11

Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	48.7	50	97.4	80-120
Arsenic	47.7	50	95.4	80-120
Barium	anr			
Beryllium	47.7	50	95.4	80-120
Boron				
Cadmium	48.5	50	97.0	80-120
Calcium				
Chromium	48.8	50	97.6	80-120
Cobalt	anr			
Copper	47.2	50	94.4	80-120
Iron				
Lead	46.8	50	93.6	80-120
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	46.2	50	92.4	80-120
Potassium				
Selenium	46.3	50	92.6	80-120
Silicon				
Silver	46.6	50	93.2	80-120
Sodium				
Strontium				
Thallium	49.2	50	98.4	80-120
Tin				
Titanium				
Vanadium	anr			
Zinc	50.3	50	100.6	80-120

Associated samples MP4278: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: C19157
 Account: CCCAD - Compliance & Closure, Inc.
 Project: KRB Construction - San Leandro, CA

QC Batch ID: MP4278
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/06/11

Metal	C19135-8 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	5.80	0.00	100.0 (a)	0-10
Arsenic	14.0	21.5	53.6 (a)	0-10
Barium	anr			
Beryllium	0.900	0.00	100.0 (a)	0-10
Boron				
Cadmium	0.400	0.00	100.0 (a)	0-10
Calcium				
Chromium	518	535	3.4	0-10
Cobalt	anr			
Copper	52.6	56.7	7.8	0-10
Iron				
Lead	15.3	19.2	25.5 (a)	0-10
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	443	418	5.7	0-10
Potassium				
Selenium	5.00	0.00	100.0 (a)	0-10
Silicon				
Silver	3.00	4.10	36.7 (a)	0-10
Sodium				
Strontium				
Thallium	0.500	5.00	900.0 (a)	0-10
Tin				
Titanium				
Vanadium	anr			
Zinc	189	190	0.5	0-10

Associated samples MP4278: C19157-1, C19157-2

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

6.2.4
6