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PRELIMINARY GROUNDWATER INVESTIGATION REPORT
A B & I FOUNDRY
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

BSK Project E0605504S

Submitted to:

Mr. Dave Robinson
AB& I

June 11, 2007

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BSK

BSK Associates

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June 11, 2007 Project No. E0605504S

Dave Robinson
A B & I Foundry
7825 San Leandro Street
Oakland, California

Subject: Preliminary Groundwater Investigation Report
A B & I Foundry
7825 San Leandro Street
Oakland, California

Dear Sirs:

BSK Associates (BSK) is pleased to submit the attached preliminary groundwater investigation report for the AB & I Foundry located at 7825 San Leandro Street in Oakland, California.

We appreciate the opportunity to assist you with the site investigation. Should you have any questions regarding this report, please call us.

Respectfully submitted,
BSK & Associates

PROFESSIONAL GEOLOGIST
MARTIN B. CLINE
No. 2084
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1.0 INTRODUCTION

This report presents a summary of activities and data collected during a preliminary groundwater study performed at the AB & I Foundry (AB&I) located at 7825 San Leandro Street in Oakland, California (Site). Figure 1 illustrates the site vicinity, and Figure 2 illustrates the site plan.

This study was performed at the request of AB&I and this report is intended for use by AB&I, only.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

AB&I, formerly American Brass & Foundry, opened their 7825 San Leandro facility in 1906. The AB&I facility encompasses approximately 11.8 acres, of which approximately 0.6 acres are the former 77th Street alignment.

AB&I's current activities include the manufacture of cast iron pipe and fittings. The facility accepts scrap iron which is stockpiled on-site and utilized to manufacture iron pipe.

2.2 Project History

Four underground storage tanks were removed, under Alameda County Department of Environmental Health (ACDEH) permit, from the site between August 1991 and June 1992. The USTs removed included:

- 8,000-gallon underground tank initially used for storing mineral spirits and later for storing 1,1,1 trichloroethane.;
- 550-gallon underground tank used for storing leaded gasoline;
- 8,000-gallon underground tank used for storing unleaded gasoline; and,
- 12,000-gallon underground tank used for storing diesel,

In general, analytical results for the soil and groundwater samples collected from locations adjacent to the USTs during the tank removal projects reportedly showed detectable concentrations of total petroleum hydrocarbons as gasoline (TPHg), as diesel (TPHd), 1,1-dichloroethane (1,1 DCA), chloroethane, and 1,1,1 trichloroethane (l,l,l-TCA). Affected soil at each former tank location was excavated until confirmation samples indicated the chemicals of concern were at relatively low concentrations, or to where an obstruction made further excavation impossible or hazardous. During excavation activities at the former 1,1,1 TCA storage tank a 3-inch layer of tar was observed 3.5 feet below the ground surface.

In 1993 BSK installed four groundwater monitoring wells to comply with a request by ACDEH for a preliminary assessment of the areas surrounding each removed USTs. Results of the analysis of soil samples collected during the well installation are presented in Table 1.

Groundwater monitoring of the four wells from the period of 1993 to 1997 indicates that relatively low levels of petroleum hydrocarbons and chlorinated compounds are in the groundwater in the vicinity of the USTs. Cumulative results of the analysis of groundwater samples collected from 1993 to 1997 are presented in Tables 2 and 3

2.3 Hydrogeologic Conditions

The AB & I facility is located on the San Leandro alluvial cone of the East Bay Plain. The upper 400 feet of the San Leandro Cone comprises discontinuous beds of sand and gravel which extend westward under San Francisco Bay. These sand and gravel beds contain groundwater that is confined by overlying clay layers. Groundwater in this area is used mainly for industrial and irrigation purposes, but may be of suitable quality for other uses.

Shallow aquifers of limited extent are located throughout the Bay Plain, are often perched and unconfined, and typically yield less than 35 gallons per minute from silty sands. These aquifers are often tapped by wells less than 50 feet in depth and used for local irrigation. These minor aquifers are most susceptible to groundwater pollution (Maslonowski, 1984).

Groundwater has been encountered in borings and excavations at 8 to 12 feet in depth at the site. Water levels in well borings stabilized at a depth 5 to 7 feet below present grade. Based upon the groundwater monitoring data collected from the on-site monitoring wells, from the period of 1993 to 1997, groundwater generally flows to the northeast to northwest. Groundwater hydraulic gradients have ranged from 0.002 to 0.012 ft/ft.

3.0 GROUNDWATER INVESTIGATION

Prior to the start of field activities, each well location area was marked with white paint and underground service alert was notified. Well installation/abandonment permits were submitted to Alameda County Public Works Agency on August 8, 2006.

3.1 Well Abandonment

The monitoring well MW-2, installed in 1993, was damaged beyond repair and was abandoned on August 13, 2006. The well was abandon by over-drilling and backfilling with neat cement.

3.2 Well Installation

On August 12, 13 and 18 2006, drilling for the installation of six groundwater monitoring wells was performed utilizing a truck mounted drill rig using hollow stem auger. The wells were constructed with schedule 40, 2-inch diameter, polyvinyl chloride (PVC) casing. Threaded, flush joint well casing was utilized. No chemical cements or solvents were used in the construction of the wells. The top of each well casing was covered with a locking watertight plug and a threaded PVC plug was installed at the bottom of each well.

The screened interval of the monitoring wells consists of 20 feet of Schedule 40, machine-slotted PVC well screen, with 0.020-inch slots. The annular space of each well was packed with a #2/12 graded sand filter-pack to approximately one foot above the perforations. An approximately one-foot thick bentonite seal was placed above the sand and hydrated with potable water to prevent the cement grout from entering the filter media. The remaining annulus was backfilled with cement to approximately one-foot below the ground surface and finished, to grade, with concrete.

Soil samples were collected at three foot intervals to depth of 10 feet and at 5 foot intervals thereafter. Drilling for the installation of MW-2R was performed with the drill rig mast down due to limited height restrictions; therefore soil samples could not be collected.

Soil samples were labeled, placed in a cooler with ice and transported under chain-of-custody protocol to BSK's state-certified analytical laboratory for chemical analysis and/or holding. At the request of AB&I, selected soil samples collected during well installation were analyzed for California Code of Regulations (CCR) 17 metals by EPA Method 6020 and volatile organic compounds (VOCs) by EPA Method 8260M. The results of the soil analyses are presented on Table 4. Laboratory data sheets are presented in Appendix B.

The logs of the monitoring wells and construction details are included in Appendix A.

Drill spoils and equipment decontamination rinsate water were stored in labeled and sealed DOT-approved 55-gallon drums at an on-site location specified by the AB&I.

3.3 Groundwater Monitoring Well Development

The wells were developed no sooner than 48 hours after installation using a bailer and 2-inch submersible pump. The well development equipment was disassembled and washed in a laboratory grade detergent solution and rinsed with water prior to use in each well. Development water was stored in labeled and sealed DOT-approved 55-gallon drums at an on-site location specified by the AB&I.

3.4 Groundwater Monitoring Well Survey

Each of the newly installed and the existing groundwater monitoring wells were surveyed by a surveyor subcontracted by AB&I. A summary of the survey data for the surveyed wells is provided in Appendix A.

3.5 Groundwater Sampling

BSK conducted groundwater monitoring at the site on August 17, 18 and 23, 2006.

The wells were purged of three wells volumes prior to sample collection. Groundwater temperature, conductivity and pH were measured with a field meter during the purging. Subsequent to purging, groundwater samples were collected from each well using a new disposable bailer.

The water samples were collected in the appropriate sample containers which were labeled, to indicate a unique sample number, time and date collected, sample location and sampler's identification. Samples were preserved in a chilled cooler, and shipped under chain-of-custody protocol to BSK's state-certified analytical laboratory for chemical analysis. The water sample logs are included in Appendix A.

3.6 Analytical Results

One groundwater sample from each of the existing monitoring wells (MW-1, MW-3 and MW-4) was submitted for chemical analysis for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C. Groundwater samples from the newly installed wells (MW-2R, MW-5, MW-6, MW-7, MW-8 and MW-9) were submitted for chemical analysis for total petroleum hydrocarbons as gasoline and diesel (TPHg and TPHd) by EPA Method 8015M, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, VOCs including fuel oxygenates by EPA Method 8260M and PAHs by EPA Method 8270C.

The results of analyses of the groundwater samples from the August 2006 sampling events and previous sampling events are presented in Tables 2 and 3. The laboratory reports and Chain-of-Custody documentation are included in Appendix B.

3.7 Groundwater Gradient and Flow Direction

Depth to groundwater measurements were taken on August 17, 18 and 23, 2006. The depth to groundwater was measured in the wells relative to the top of each well casing. Groundwater elevation in each well was determined by subtracting the depth to groundwater from the top of casing elevation of that wellhead.

Groundwater elevations for this monitoring event and previous events are presented in Table 5.

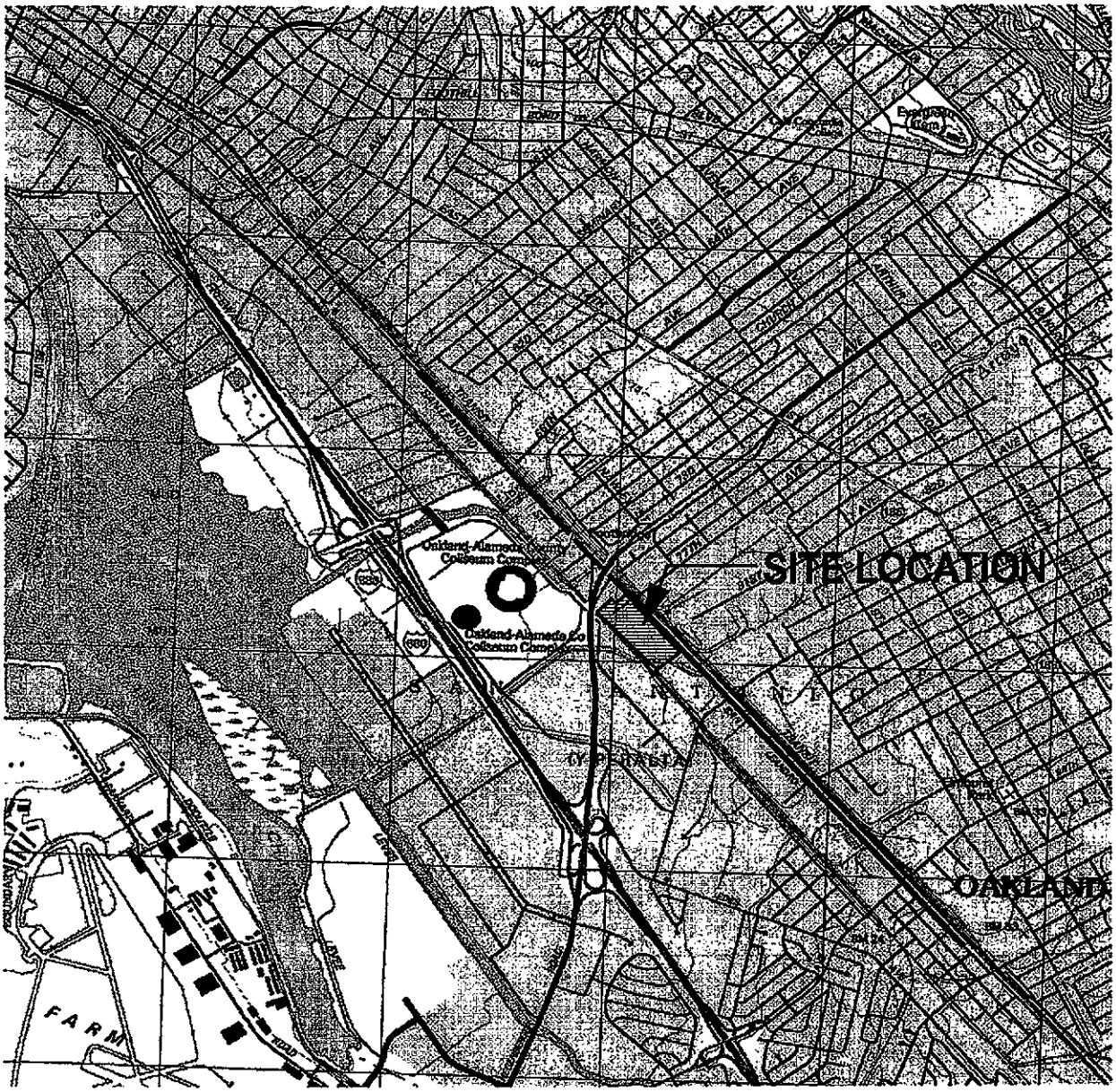
Based on the August 2006 event, groundwater generally flows to the northwest with a surface gradient of 0.003. Figure 3 presents a groundwater elevation contour map for the August 2006 monitoring event.

4.0 LIMITATIONS

This report has been prepared for the exclusive use of AB&I. Unauthorized use of or reliance on the information contained in this report by others, unless given the express written consent by BSK Associates, is prohibited. The conclusions presented in this report are professional opinions based on the indicated data described in this report. This report has been prepared in accordance with generally accepted methodologies and standards of professional practice. No other warranties, either expressed or implied, are made as to the findings or conclusions included in the report. Conclusions and recommendations are intended only for the purpose, site location and project indicated.

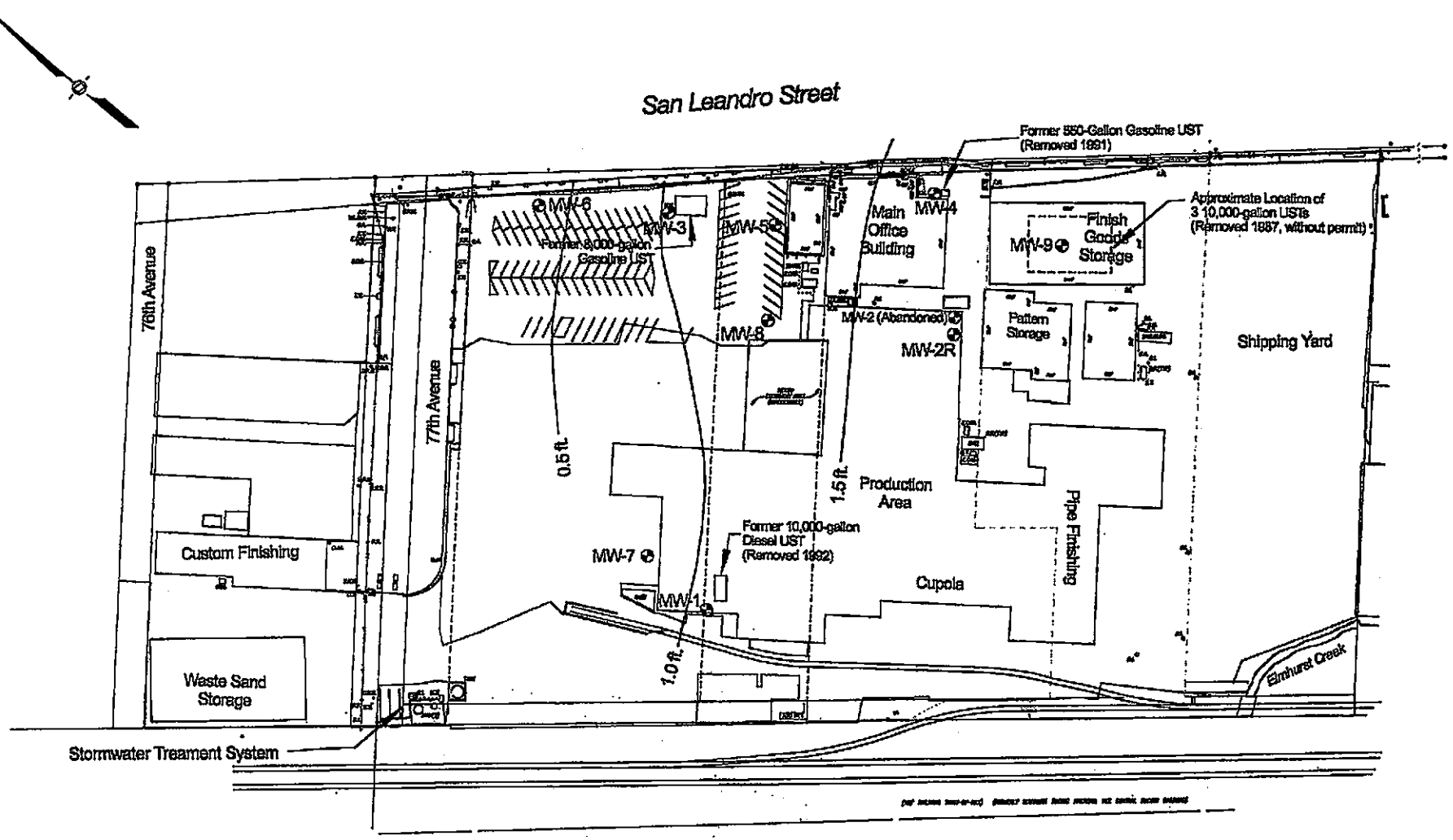
Opinions presented herein apply to site conditions existing at the time of our study and those

reasonably foreseeable. They cannot necessarily apply to site changes of which this office is not aware and has not had the opportunity to evaluate. Changes in the conditions of the subject property can occur with time, because of natural processes or the works of man, on the subject site or on adjacent properties.



0 1500 2000
Approximate Scale in Feet

BSK	A B & I Foundry 7825 San Leandro Street Oakland, California	**VICINITY MAP** **FIGURE 1**
		BSK Job No. E0605504S



A B & I Foundry 7825 San Leandro Street Oakland, California	BSK Job No. E0605504S Groundwater Contour Map FIGURE 3	BSK

Table 1
Summary of Analytical Results
Monitoring Well Soil Samples (mg/kg)
February 1993

Well ID	Depth (feet)	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Organic Lead	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-1	11	-	-	-	**34**	ND	ND	ND	ND	ND
MW-2	10.5	**3,500**	**3,500**	-	**140**	**63**	ND	**0.039**	ND	**0.008**
MW-3	10	-	-	-	-	ND	ND	ND	ND	ND
MW-4	14.5	-	-	0.6	-	**2,100**	ND	ND	ND	ND
MW-4	25.5	-	-	ND	-	ND	ND	ND	ND	ND

Notes:

ND: Not detected above laboratory reportable detection limit.

B: Not analyzed.

Table 2
Summary of Analytical Results
Monitoring Well Groundwater Samples
Petroleum Hydrocarbon Related Constituents (ug/L)

Well ID	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
MW-1	3/10/1993	-	-	-	**830**	-	-	**0.6**	ND	ND	ND	-	-	-	-	-	-
	8/20/1993	-	-	-	**2100**	-	-	**2.2**	**3.7**	**4.5**	**17**	-	-	-	-	-	-
	12/3/1993	-	-	-	**3200**	-	-	ND	ND	ND	ND	-	-	-	-	-	-
	3/4/1994	-	-	-	**710**	-	-	**1.1**	ND	ND	ND	-	-	-	-	-	-
	6/10/1994	-	-	-	**490**	-	-	ND	ND	ND	ND	-	-	-	-	-	-
	9/9/1994	-	-	-	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-
	12/16/1994	-	-	-	**180**	-	-	0.6	ND	ND	ND	-	-	-	-	-	-
	3/17/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/6/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/18/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/26/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/3/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/14/2006	-	-	-	**160**	-	<50	<0.3	<0.3	<0.3	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
MW-2	3/10/1993	**1.0**	ND	-	-	-	**920**	ND	**0.8**	ND	ND	-	-	-	-	-	-
	8/20/1993	ND	ND	-	-	-	**720**	**2.9**	**4.2**	**6.3**	**25**	-	-	-	-	-	-
	12/3/1993	ND	ND	-	-	-	**900**	ND	**250**	**19**	5.1	-	-	-	-	-	-
	3/4/1994	ND	ND	-	-	-	**420**	ND	ND	ND	3.6	-	-	-	-	-	-
	6/10/1994	**2,000**	**2,000**	-	-	-	**920**	ND	ND	ND	ND	-	-	-	-	-	-
	9/9/1994	2	2	-	-	-	**830**	ND	ND	ND	ND	-	-	-	-	-	-
	12/16/1994	ND	ND	-	-	-	**130**	ND	0.18	ND	ND	-	-	-	-	-	-
	3/17/1995	-	**1**	-	-	-	**320**	**4.9**	ND	ND	ND	-	-	-	-	-	-
	6/23/1995	ND	ND	-	-	-	**190**	ND	ND	ND	ND	-	-	-	-	-	-
	9/6/1995	ND	ND	-	-	-	**110**	ND	ND	ND	ND	-	-	-	-	-	-
	1/18/1996	ND	ND	-	-	-	**120**	ND	ND	ND	ND	-	-	-	-	-	-
	4/26/1996	ND	ND	-	-	-	**500**	ND	ND	ND	ND	-	-	-	-	-	-
	2/3/1997	ND	ND	-	-	-	**250**	ND	ND	ND	**1.7**	-	-	-	-	-	-
	7/14/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
Summary of Analytical Results
Monitoring Well Groundwater Samples
Petroleum Hydrocarbon Related Constituents (ug/L)

Well ID	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
MW-2R	8/18/2006	-	-	-	260	-	510	0.62	2.6	0.53	0.85	<0.5	<0.5	<0.5	<0.5	<20	<2.5
MW-3	3/10/1993	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	8/20/1993	-	-	-	-	-	190	7.2	9.3	8.6	31	-	-	-	-	-	-
	12/3/1993	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	3/4/1994	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	6/10/1994	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	9/9/1994	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	12/16/1994	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	3/17/1995	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	6/23/1995	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	9/6/1995	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	1/18/1996	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	4/26/1996	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	2/3/1997	-	-	-	-	-	-	ND	ND	ND	ND	-	-	-	-	-	-
	7/14/2006	-	-	-	<50	<5.0	93	1.2	<0.3	<0.3	<0.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0
MW-4	3/10/1993	-	-	58	-	-	1,800	1	2	7.6	19	-	-	-	-	-	-
	8/20/1993	-	-	ND	-	-	350	5.6	4.9	7.5	22	-	-	-	-	-	-
	12/3/1993	-	-	ND	-	-	1,100	ND	ND	1.4	2.8	-	-	-	-	-	-
	3/4/1994	-	-	ND	-	-	50	ND	0.9	ND	1.1	-	-	-	-	-	-
	6/10/1994	-	-	ND	-	-	460	4.3	ND	1.8	4.3	-	-	-	-	-	-
	9/9/1994	-	-	ND	-	-	150	0.4	ND	0.7	1.3	-	-	-	-	-	-
	12/16/1994	-	-	86	-	-	100	0.4	0.4	ND	1.2	-	-	-	-	-	-
	3/17/1995	-	-	ND	-	-	62	ND	ND	ND	ND	-	-	-	-	-	-
	6/23/1995	-	-	-	-	-	180	ND	ND	0.9	1.7	-	-	-	-	-	-
	9/6/1995	-	-	-	-	-	420	9.4	1.4	6.3	6.2	-	-	-	-	-	-
	1/18/1996	-	-	-	-	-	90	0.8	ND	1.2	0.9	-	-	-	-	-	-
	4/26/1996	-	-	-	-	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	2/3/1997	-	-	-	-	-	110	ND	ND	0.53	ND	-	-	-	-	-	-
	7/14/2006	-	-	-	82	9.9	1,200	11	2.8	18	9.3	<1.0	<1.0	<1.0	<1.0	<50	<1.0

Table 2
Summary of Analytical Results
Monitoring Well Groundwater Samples
Petroleum Hydrocarbon Related Constituents (ug/L)

Well ID	Date	Total Oil & Grease	Hydrocarbon Oil & Grease	Total Lead	TPH-Diesel	Naphthalene	TPH-Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	ETBE	TAME	DIPE	TBA	1,2-DCA
MW-5	8/17/2006	-	-	-	**80**	<1.0	<50	**0.56**	**0.7**	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
MW-6	8/17/2006	-	-	-	**110**	<1.0	<50	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
MW-7	8/17/2006	-	-	-	**520**	<1.0	<50	<0.3	**0.35**	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<20	<2.5
MW-8	8/17/2006	-	-	-	**78**	<5.0	**640**	**1.9**	<0.3	<0.3	<0.3	<2.5	<2.5	<2.5	<2.5	<100	<2.5
MW-9	8/23/2006	-	-	-	**440**	<40	**7,400**	**250**	**11**	**51**	**14**	<50	<50	<50	<50	<500	<40

Notes:

ND: Not detected above laboratory reportable detection limit.

<: Not detected above laboratory indicated reportable detection limit.

- : Not analyzed.

Table 3
Summary of Analytical Results
Monitoring Well Groundwater Samples
Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons (ug/L)

Well ID	Date	Bromoform	Chlorodibromo-methane	Chloroethane	1,1 Dichloroethane	1,1 Dichloroethene	cis-1,2-Dichloroethene	trans-1,2,-Dichloroethene	1,1,1 Trichloroethane	Vinyl Chloride	Isopropylbenzene	n-Propylbenzene	Other 8260B Analytes	Polycyclic Aromatic Hydrocarbons EPA 8270C
MW-1	3/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/20/1993	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/3/1993	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/9/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/17/1995	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/1995	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/6/1995	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/18/1996	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/26/1996	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/3/1997	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/14/2006	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	-
	8/17/2006	-	-	-	-	-	-	-	-	-	-	-	-	ND
MW-2	3/10/1993	**0.6**	ND	**5.0**	**1.7**	ND	ND	ND	**6.7**	**6.7**	**6.7**	**6.7**	-	-
	8/20/1993	ND	ND	**4.7**	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	12/3/1993	ND	ND	**3.8**	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	3/4/1994	ND	ND	**3.7**	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	6/10/1994	ND	ND	**4.2**	**0.6**	ND	ND	ND	**0.8**	**0.8**	**0.8**	**0.8**	-	-
	9/9/1994	ND	ND	**1.4**	**0.8**	ND	ND	ND	ND	ND	ND	ND	-	-
	12/16/1994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	3/17/1995	ND	ND	**2.4**	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	6/23/1995	ND	ND	**0.9**	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	9/6/1995	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	1/18/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	4/26/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
	2/3/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-

Table 3
Summary of Analytical Results
Monitoring Well Groundwater Samples
Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons (ug/L)

Well ID	Date	Bromoform	Chlorodibromo-methane	Chloroethane	1,1 Dichloroethane	1,1 Dichloroethene	cis-1,2-Dichloroethene	trans-1,2,-Dichloroethene	1,1,1 Trichloroethane	Vinyl Chloride	Isopropylbenzene	n-Propylbenzene	Other 8260B Analytes	Polycyclic Aromatic Hydrocarbons EPA 8270C
MW-2	7/14/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	-	-
	Well Abandoned													
MW-2R	8/18/2006	<2.5	<2.5	**390**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	ND	ND
MW-3	3/10/1993	-		-	-	-	-	-	-	-	-	-	-	-
	8/20/1993	-		-	-	-	-	-	-	-	-	-	-	-
	12/3/1993	-		-	-	-	-	-	-	-	-	-	-	-
	3/4/1994	-		-	-	-	-	-	-	-	-	-	-	-
	6/10/1994	-		-	-	-	-	-	-	-	-	-	-	-
	9/9/1994	-		-	-	-	-	-	-	-	-	-	-	-
	12/16/1994	-		-	-	-	-	-	-	-	-	-	-	-
	3/17/1995	-		-	-	-	-	-	-	-	-	-	-	-
	6/23/1995	-		-	-	-	-	-	-	-	-	-	-	-
	9/6/1995	-		-	-	-	-	-	-	-	-	-	-	-
	1/18/1996	-		-	-	-	-	-	-	-	-	-	-	-
	4/26/1996	-		-	-	-	-	-	-	-	-	-	-	-
	2/3/1997	-		-	-	-	-	-	-	-	-	-	-	-
MW-3	7/14/2006	<20	<20	<20	**200**	**960**	<20	<20	<20	<20	<20	<20	ND	ND
MW-4	3/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/20/1993	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/3/1993	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/9/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/17/1995	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/1995	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/6/1995	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/18/1996	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Summary of Analytical Results
Monitoring Well Groundwater Samples
Volatile Organic Compounds and Polycyclic Aromatic Hydrocarbons (ug/L)

Well ID	Date	Bromoform	Chlorodibromo-methane	Chloroethane	1,1 Dichloroethane	1,1 Dichloroethene	cis-1,2-Dichloroethene	trans-1,2,-Dichloroethene	1,1,1 Trichloroethane	Vinyl Chloride	Isopropylbenzene	n-Propylbenzene	Other 8260B Analytes	Polycyclic Aromatic Hydrocarbons EPA 8270C
MW-4	4/26/1996	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/3/1997	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/14/2006	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	ND	-
MW-5	8/17/2006	**2.2**	**0.96**	**4.8**	**4.8**	1.2	**3.1**	**1.0**	<5.0	<5.0	<5.0	<5.0	ND	ND
MW-6	8/17/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	-
MW-7	8/17/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND
MW-8	8/17/2006	<2.5	<2.5	**100**	**560**	**900**	<2.5	<2.5	**1000**	**7.4**	**1000**	**7.4**	ND	ND
MW-9	8/23/2006	<40	<40	<40	<40	<40	<40	<40	<40	<40	**53**	**62**	ND	ND

Notes:

ND: Not detected above laboratory reportable detection limit, refer to laboratory data sheets

<: Not detected above laboratory indicated reportable detection limit.

- : Not analyzed.

Table 4
Summary of Analytical Results
Monitoring Well Soil Samples
CCR 17 Metals and Volatile Organic Compounds

Sample Location	Date Sampled	Depth (feet bgs)	Antimony (mg/Kg)	Arsenic (mg/Kg)	Barium (mg/Kg)	Beryllium (mg/Kg)	Cadmium (mg/Kg)	Chromium (Total) (mg/Kg)	Cobalt (mg/Kg)	Copper(mg/Kg)	Lead (mg/Kg)	Mercury (mg/Kg)	Molybdenum (mg/Kg)	Nickel (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Thallium (mg/Kg)	Vanadium (mg/Kg)	Zinc (mg/Kg)	Other EPA 8260B Ayalytes (ug/Kg)	1,1,1-Trichloroethane (ug/Kg)	1,1-Dichloroethane (ug/Kg)	1,1-Dichloroethene (ug/Kg)	Chloroethane (ug/Kg)
MW-5	8/12/2006	2	<10	4.2	96	<1	<1	25	7.1	49	19	<0.1	<5	26	<1	<2	<2	29	64	-	-	-	-	-
MW-5	8/12/2006	5	<10	4.8	250	<1	<1	41	12	31	8.8	<0.1	<5	48	<1	<2	<2	42	53	-	-	-	-	-
MW-5	8/12/2006	8	<10	4.3	100	<1	<1	48	9.9	36	8.7	<0.1	<5	49	<1	<2	<2	49	61	ND	<5.0	<5.0	<5.0	<5.0
MW-5	8/12/2006	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	<5.0	<5.0	<5.0	<5.0
MW-5	8/12/2006	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	<5.0	<5.0	<5.0	<5.0
MW-5	8/12/2006	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	<5.0	<5.0	<5.0	<5.0
MW-6	8/12/2006	2.5	<10	6.6	350	<1	<1	42	9.1	27	220	<0.1	<5	63	<1	<2	<2	32	47	-	-	-	-	-
MW-6	8/12/2006	5	<10	3.7	220	<1	<1	40	12	34	8.2	<0.1	<5	54	<1	<2	<2	42	59	-	-	-	-	-
MW-6	8/12/2006	8	<10	8.1	240	<1	<1	40	33	38	18	<0.1	<5	68	<1	<2	<2	52	58	-	-	-	-	-
MW-7	8/12/2006	2	<10	99	3,200	<1	2.7	110	8.6	220	190	1.5	<5	46	9.6	<2	<2	12	540	-	-	-	-	-
MW-7	8/12/2006	8	<10	5.1	270	<1	<1	45	7.6	120	330	<0.1	<5	40	<1	<2	<2	44	350	-	-	-	-	-
MW-8	8/12/2006	2	<10	4.7	230	<1	<1	49	16	40	51	0.88	<5	64	<1	<2	<2	50	61	-	-	-	-	-
MW-8	8/12/2006	5	<10	8.1	280	<1	<1	46	13	30	23	<0.1	<5	50	<1	<2	<2	45	60	-	-	-	-	-
MW-8	8/12/2006	8	<10	6.2	310	<1	<1	45	23	32	10	<0.1	<5	61	<1	<2	<2	48	57	-	-	-	-	-
MW-8	8/12/2006	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	190	65	140	7.1
MW-8	8/12/2006	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	200	86	160	12
MW-9	8/18/2006	2	<10	5.1	210	<1	<1	37	9.0	26	170	0.13	<5	43	<1	<2	<2	29	150	-	-	-	-	-
MW-9	8/18/2006	5	<10	4.7	410	1.1	<1	80	16	52	15	0.1	<5	92	<1	<2	<2	71	100	-	-	-	-	-
MW-9	8/18/2006	8	<10	1.8	150	<1	<1	41	9.7	19	6.0	0.13	<5	57	<1	<2	<2	28	51	-	-	-	-	-

Notes: - Not Analyzed
ND - Not Detected, refer to laboratory data sheets for detection limits
<: Not detected above laboratory indicated reportable detection limit.

Table 5
Cumulative Groundwater Elevation Data

Well I.D.	Date Measured	Groundwater Elevation (ft)	Groundwater Gradient (ft/ft)	Direction of Groundwater Flow
MW-1	3/10/1993	2.29	0.005 to 0.007	Northeast
MW-2		3.41		
MW-3		2.53		
MW-4		3.45		
MW-1	8/20/1993	2.05	0.003 to 0.008	Northeast to Northwest
MW-2		2.30		
MW-3		1.55		
MW-4		1.29		
MW-1	12/3/1993	2.04	0.003 to 0.008	Northeast to Northwest-West
MW-2		2.39		
MW-3		1.72		
MW-4		1.47		
MW-1	3/4/1994	1.29	0.005 to 0.007	Northeast to West
MW-2		3.14		
MW-3		2.54		
MW-4		2.25		
MW-1	6/10/1994	2.55	0.002 to 0.008	Northeast to North-Northwest
MW-2		2.73		
MW-3		2.12		
MW-4		1.78		
MW-1	9/9/1994	2.14	0.003 to 0.008	Northeast to North-Northwest
MW-2		2.38		
MW-3		1.74		
MW-4		1.43		
MW-1	12/16/1995	3.65	0.005 to 0.007	Northeast
MW-2		3.30		
MW-3		2.69		
MW-4		2.48		
MW-2	3/17/1995	3.79	0.007	Northeast
MW-3		3.05		
MW-4		2.93		
MW-2	6/23/1995	3.05	0.008	Northeast
MW-3		2.31		
MW-4		2.04		
MW-2	9/6/1995	2.80	0.010	Northeast
MW-3		1.85		
MW-4		1.60		
MW-2	1/18/1996	3.56	0.012	Northeast
MW-3		2.46		
MW-4		2.37		
MW-2	4/26/1996	3.56	0.0096	Northeast
MW-3		2.46		
MW-4		2.37		

Table 5
Cumulative Groundwater Elevation Data

Well I.D.	Date Measured	Groundwater Elevation (ft)	Groundwater Gradient (ft/ft)	Direction of Groundwater Flow
MW-2	2/3/1997	2.85	0.002	Northeast
MW-3		2.86		
MW-4		2.69		
MW-1	7/14/2006	3.43	0.004	East-Southeast
MW-3		2.77		
MW-4		1.76		
MW-1	8/17/2006	1.50	0.003	Northwest
MW-2R	8/18/2006	-2.50		
MW-3	8/17/2006	1.13		
MW-4	8/18/2006	NS		
MW-5	8/17/2006	1.31		
MW-6	8/17/2006	0.26		
MW-7	8/17/2006	0.60		
MW-8	8/17/2006	1.36		
MW-9	8/23/2006	1.86		

NS - Well Not Surveyed

APPENDIX A

WELL INSTALLATION LOGS
WELL SAMPLING LOGS
WELL SURVEYING DATA

BSK

BORING LOG: MW-2R

DATE(S): 8/13/06
LOGGED BY: E. Studley
WATER LEVEL: 9 feet at time of drilling
EQUIPMENT: BK-81, 8" HSA

DEPTH (Feet bgs)	FIELD DATA: SAMPLER TYPE/ SAMPLE NO.	SAMPLE INTERVAL	TIME OF COLLECTION	BLOWS/FOOT	PID (ppm)	USCS	DESCRIPTION	WELL CONSTRUCTION
	Drilled with mast down no sampling					CL/CH	4" Concrete Silty Sandy Clay: Olive brown/gray, moist, medium grained sand, very soft	2" PVC 0-5' Cement 0-3' Bentonite 3-4'
5						SC	Clayey Sand: Dark gray, loose medium grained sand	2/12 Sand 20-4'
						CL	Sandy Clay: Dark olive gray, wet, very soft	Slotted PVC 20-5'
10								
15						CL/CH	Clayey Sand: Olive brown, wet, loose, medium grained sand	
						CL	Sandy Clay: Olive brown, wet, fine grained sand	Total Depth Well 20'
20								
25								
30								
35								

BSK Engineers, Geologists, Environmental Scientists

PROJECT NAME: A B & I, Oakland, California
PROJECT NUMBER: E0605504S

BORING LOG: MW-5

DATE(S): 8/12/06
LOGGED BY: E. Studley
WATER LEVEL: 13 feet at time of drilling
EQUIPMENT: CME-75, 8" HSA

DEPTH (Feet bgs)	FIELD DATA: SAMPLER TYPE/ SAMPLE NO.	SAMPLE INTERVAL	TIME OF COLLECTION	BLOWS/FOOT	PID (ppm)	USCS	DESCRIPTION	WELL CONSTRUCTION
						Fill	3" Asphalt Concrete Silty Sandy Gravel: Yellow brown, damp, (Fill)	2" PVC 0-5'
	CS-1	■	11:05	32		CL/CH	Sandy Silty Clay: Dark gray, damp to moist, fine grained sand	Cement 0-3' Bentonite 3-4'
5	CS-2	■	11:08	11		CH	Silty Clay: Dark gray, moist, soft, trace organics	2/12 Sand 20-4'
	CS-3	■	11:12	12				Slotted PVC 20-5'
10	CS-4	■	11:15	11			Silty Clay: Brown mottled oilve gray, moist, soft	
15	CS-5	■	11:18	4		CL/CH	Silty Sandy Clay: Olive brown, wet, soft medium grained sand	
							grades mottled olive brown/gray	Total Depth Well 20'
20	CS-6	■	11:24	21		SC	Clayey Silty Sand: Gray brown, medium grained sand	
25								
30								
35								

BSK Engineers, Geologists, Environmental Scientists

PROJECT NAME: A B & I, Oakland, California
PROJECT NUMBER: E0605504S

BORING LOG: MW-6

DATE(S): 8/12/06
LOGGED BY: M. Cline
WATER LEVEL: 13 feet at time of drilling
EQUIPMENT: CME-75, 8" HSA

DEPTH (Feet bgs)	FIELD DATA: SAMPLER TYPE/ SAMPLE NO.	SAMPLE INTERVAL	TIME OF COLLECTION	BLOWS/FOOT	PID (ppm)	USCS	DESCRIPTION	WELL CONSTRUCTION
						Fill	3" Asphalt Concrete Silty Sandy Gravel: Brown, damp, (Fill)	2" PVC 0-5'
	CS-1	■	9:10	10		CL/CH Fill	Sandy Silty Clay: Dark gray brown, moist, trace gravel, wood, brick (Fill)	Cement 0-3' Bentonite 3-4'
5	CS-2	■	9:15	12		CH	Silty Clay: Dark gray, moist, soft, trace organics	2/12 Sand 20-4'
	CS-3	■	9:18	14			grades dark gray to olive gray, very moist	Slotted PVC 20-5'
10	CS-4	■	9:21	15			Silty Clay: Brown mottled oilve gray, very moist to wet in pores, some carbonates	
15	CS-5	■	9:25	10		CL/SC	Silty Clay/Clayey Sand: Brown to light olive brown, wet	Total Depth Well 20'
20	CS-6	■	9:38	6		CL/CH	Silty Clay: Brown to light olive brown, wet	
25								
30								
35								

BSK Engineers, Geologists, Environmental Scientists

PROJECT NAME: A B & I, Oakland, California
PROJECT NUMBER: E0605504S

BORING LOG: MW-7

DATE(S): 8/12/06
LOGGED BY: E. Studley
WATER LEVEL: 13 feet at time of drilling
EQUIPMENT: CME-75, 8" HSA

DEPTH (Feet bgs)	FIELD DATA: SAMPLER TYPE/ SAMPLE NO.	SAMPLE INTERVAL	TIME OF COLLECTION	BLOWS/FOOT	PID (ppm)	USCS	DESCRIPTION	WELL CONSTRUCTION
						Fill	4" Concrete Silty Sandy Gravel: Yellow brown, damp, (Fill)	2" PVC 0-5' Cement 0-3'
	CS-1	■	15:26	29		CL/CH Fill	Silty Clay: Dark gray, damp, gravels to 1.5" glass, slag, concrete (Fill)	Bentonite 3-4' 2/12 Sand 20-4'
5	NR	—	15:30	18				
	CS-2	■	15:34	11		CH	Silty Clay: Dark gray, wet, strong hydrocarbon odor	Slotted PVC 20-5'
10	CS-3	■	15:45	4			grades to dark gay mottled light gray wet, slight odor, roots/wood fragments	
15	CS-4	■	15:50	7		CL/CH	Sandy Silty Clay: Olive brown/gray, wet, soft, medium grained sand, faint odor	
							grades to olive gray	Total Depth Well 20'
20	CS-5	■	16:01	9				
25								
30								
35								

BSK Engineers, Geologists, Environmental Scientists

PROJECT NAME: A B & I, Oakland, California
PROJECT NUMBER: E0605504S

BORING LOG: MW-8

DATE(S): 8/12/06
LOGGED BY: E. Studley
WATER LEVEL: 13 feet at time of drilling
EQUIPMENT: CME-75, 8" HSA

DEPTH (Feet bgs)	FIELD DATA: SAMPLER TYPE/ SAMPLE NO.	SAMPLE INTERVAL	TIME OF COLLECTION	BLOWS/FOOT	PID (ppm)	USCS	DESCRIPTION	WELL CONSTRUCTION
						Fill	3" Asphalt Concrete Silty Sandy Gravel: Yellow brown, moist, (Fill)	2" PVC 0-5'
	CS-1	■	13:00	20		CL/CH Fill	Silty Clay: Dark olive brown, damp, gravels, wire, debris (Fill)	Cement 0-3' Bentonite 3-4'
5	CS-2	■	13:02	6		CL/CH	Silty Clay: Dark olive brown, moist to wet medium grained sand lenses	2/12 Sand 20-4'
	CS-3	■	13:08	12				Slotted PVC 20-5'
10	NR			13		CH	grades to olive brown mottled gray	
						CL/CH	Silty Sandy Clay: Olive brown, wet, soft, medium grained sand	
15	CS-4	■	13:29	5				
							trace carbonates	Total Depth Well 20'
20	CS-5	■	13:36	15				
25								
30								
35								

BSK Engineers, Geologists, Environmental Scientists

PROJECT NAME: A B & I, Oakland, California
PROJECT NUMBER: E0605504S

BORING LOG: MW-9

DATE(S): 8/18/06
LOGGED BY: J. Yeazell
WATER LEVEL: 8 feet at time of drilling
EQUIPMENT: Marl Limited Access, 8" HSA

DEPTH (Feet bgs)	FIELD DATA: SAMPLER TYPE/ SAMPLE NO.	SAMPLE INTERVAL	TIME OF COLLECTION	BLOWS/FOOT	PID (ppm)	USCS	DESCRIPTION	WELL CONSTRUCTION
						Fill	6" Concrete Silty Clay: Dark gray, some concrete debris	2" PVC 0-5' Cement 0-3'
	DP-1	■	10:57			CH	Silty Clay: Dark gray, hydrocarbon odor	Bentonite 3-4'
5	DP-2	■	11:03					2/12 Sand 20-4'
	DP-3	■	11:10			CH	Silty Clay: Olive brown/brown, no odor	Slotted PVC 20-5'
10	DP-4	□	11:29				grades wet, slight odor	
15	DP-5	■	11:36				some fine sand, odor	
								Total Depth Well 20'
20	DP-6	■	11:40					
25								
30								
35								

BSK Engineers, Geologists, Environmental Scientists

PROJECT NAME: A B & I, Oakland, California
PROJECT NUMBER: E0605504S

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry
Job No.:E0605502S
Personnel: D. Griffith
Weather:

WELL INFORMATION

Well Number	MW-1	**Date Purged**	8.17.06
Depth to Water - feet (TOC)	6.24	**Purge Method**	ELECTRIC pump
Well Depth (feet)	19.08		
Water Volume (gallons)	2.09	**Purge Begin**	1520
Reference Elevation - feet (TOC)	–	**Purge End**	1532
Groundwater Elevation (feet)	3.31	**Purge Rate**	1.0 gpm
Depth to Water After Purging - feet (TOC)	12.89		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
1520	–	–	–	–	–	Begin purging
1524	2	1065	8.11	24.2		TURBID
1526	4	1081	8.07	23.8		cloudy
1528	6	1097	8.01	21.1		cloudy
1532	6+	1101	7.96	20.5		cloudy

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1532	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	MW-2R	Date Purged	8-18-06
Depth to Water - feet (TOC)	8.03	Purge Method	ELECTRIC
Well Depth (feet)	20.64		
Water Volume (gallons)	205	Purge Begin	810
Reference Elevation - feet (TOC)	–	Purge End	822
Groundwater Elevation (feet)	–	Purge Rate	1.0 gpm
Depth to Water After Purging - feet (TOC)	12.43		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
810	–	–	–	–	–	Begin purging
814	2	1489	7.72	21.9		TURBID
816	4	1506	7.61	21.4		CLOUDY
818	6	1518	7.61	23.5		cloudy
822	6+	1539	7.52	22.1		cloudy

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
822	TPHg, BTEX, and 8260 oxygenates	4-40 ml VOA's w/HCL	
	TPH-Diesel	1-500 ml amber glass w/H_2SO_4	
↓	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	MW-3	**Date Purged**	8.17.00
Depth to Water - feet (TOC)	6.87	**Purge Method**	ELECTRIC PUMP
Well Depth (feet)	19.12		
Water Volume (gallons)	1.99	**Purge Begin**	1208
Reference Elevation - feet (TOC)	–	**Purge End**	1222
Groundwater Elevation (feet)	–	**Purge Rate**	1.0 gpm
Depth to Water After Purging - feet (TOC)	10.82		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
1208	–	–	–	–	–	Begin purging
1214	2	2.109	7.51	25.7		cloudy
1216	4	2.71	7.48	24.2		cloudy
1218	6	2.86	7.39	23.5		clearing
1222	8+	2.94	7.35	22.2		

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1222	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	MW-4	Date Purged	8-18-06
Depth to Water - feet (TOC)	6.89	Purge Method	ELECTRIC pump
Well Depth (feet)	24.74		
Water Volume (gallons)	2.90	Purge Begin	840
Reference Elevation - feet (TOC)	–	Purge End	856
Groundwater Elevation (feet)	–	Purge Rate	1.0 gpm
Depth to Water After Purging - feet (TOC)	15.74		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
840	–	–	–	–	–	Begin purging
845	3	761	7.81	23.7		cloudy
848	6	768	7.79	22.5		cloudy
851	9	787	7.72	21.1		CLEARING
856	9+	796	7.66	20.9		CLEAR

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
856	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	MW-5	Date Purged	8-17-06
Depth to Water - feet (TOC)	7.68	Purge Method	ELECTRIC PUMP
Well Depth (feet)	19.92		
Water Volume (gallons)	12.99	Purge Begin	1410
Reference Elevation - feet (TOC)	–	Purge End	1422
Groundwater Elevation (feet)	–	Purge Rate	1.0 gpm
Depth to Water After Purging - feet (TOC)	12.56		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)		pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
1410	–	–		–	–	–	Begin purging
1414	2	2.21	7.83	26.7	26.7		TURBID
1416	4	2.48	7.71	2	25.3		cloudy
1418	6	2.62	7.65		24.0		cloudy
1422	6+	2.71		7.52	21.6		cloudy

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1422	TPHg, BTEX, and 8260 oxygenates	4-40 ml VOA's w/HCL	
	TPH-Diesel	1-500 ml amber glass w/H_2SO_4	
✓	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	FROM 1325 TO 1400 DEVELOPED THEN SAMPLED

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	MW-6	**Date Purged**	8.17.06
Depth to Water - feet (TOC)	8.03	**Purge Method**	ELECTRIC PUMP
Well Depth (feet)	20.32		
Water Volume (gallons)	2.00	**Purge Begin**	1128
Reference Elevation - feet (TOC)	–	**Purge End**	1140
Groundwater Elevation (feet)	–	**Purge Rate**	1.0 gpm
Depth to Water After Purging - feet (TOC)	16.13		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
1128	–	–	–	–	–	Begin purging
1132	2	2.89	7.64	26.1		TURBID
1134	4	2.94	7.51	24.2		cloudy
1136	6	2.97	7.39	23.8		cloudy
1140	8	3.02	7.32	22.8		cloudy

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1140	TPHg, BTEX, and 8260 oxygenates	4-40 ml VOA's w/HCL	
↓	TPH-Diesel	1-500 ml amber glass w/H_2SO_4	
↓	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	MW-7	**Date Purged**	8.17.06
Depth to Water - feet (TOC)	8.10	**Purge Method**	Electric Pump
Well Depth (feet)	20.86		
Water Volume (gallons)	2.07	**Purge Begin**	1440
Reference Elevation - feet (TOC)	–	**Purge End**	1452
Groundwater Elevation (feet)	–	**Purge Rate**	1.0 gpm
Depth to Water After Purging - feet (TOC)	14.02		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
1440	–	–	–	–	–	Begin purging
1444	2	1834	8.21	26.3		TURBID
1446	4	1846	8.15	25.9		cloudy
1448	6	1858	8.09	25.1		cloudy
1452	6+	1862	8.01	24.1		cloudy

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1452	TPHg, BTEX, and 8260 oxygenates	4-40 ml VOA's w/HCL	
↓	TPH-Diesel	1-500 ml amber glass w/H_2SO_4	
↓	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I Foundry **Job No.:**E0605502S
Personnel:
Weather:

WELL INFORMATION

Well Number	**MW-8**	**Date Purged**	8.17.06
Depth to Water - feet (TOC)	7.94	**Purge Method**	ELECTRIC PUMP
Well Depth (feet)	20.19		
Water Volume (gallons)	1.99	**Purge Begin**	1250
Reference Elevation - feet (TOC)	–	**Purge End**	1304
Groundwater Elevation (feet)	–	**Purge Rate**	1.0 gpm
Depth to Water After Purging - feet (TOC)	14.83		
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	N/A
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	OXIDATION REDUCTION POTENTIAL (mV)	REMARKS
1250	–	–	–	–	–	Begin purging
1254	2	2.71	7.71	24.6		TURBID
1256	4	2.89	7.64	23.2		CLOUDY
1258	6	2.97	7.61	22.8		CLOUDY
1304	8+	306	7.54	21.9		CLEARING

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1304	TPHg, BTEX, and 8260 oxygenates	4-40 ml VOA's w/HCL	
↓	TPH-Diesel	1-500 ml amber glass w/H_2SO_4	
	Polynuclear Aromatic Hydrocarbons	1-liter glass unpreserved	
SAMPLING EQUIPMENT: Disposable bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	Flush mount - Traffic rated
DRUMS FILLED/USED:	A portion of one
SAMPLE STORAGE:	In a chilled ice chest
NOTES:	

TOC-Top of Well Casing

WATER SAMPLE LOG

Project Name/Location: AB&I **Job No.:** E060550 45
Personnel: M. Cline
Weather: Clear, mild

WELL INFORMATION

Well Number	MW-9	**Date Purged**	8/23/06
Depth to Water - feet (TOC)	4.21	**Purge Method**	Submersible Pump
Well Depth (feet)	20		
Water Volume (gallons)	2.6	**Purge Begin**	12:21
Reference Elevation - feet (TOC)		**Purge End**	
Groundwater Elevation (feet)		**Purge Rate**	
Measurement Technique	Solinst Electric Well Sounder		

IMMISCIBLE LAYERS

Description:	none
Detection Method:	Visual
Collection Method:	Disposable bailer

MEASURED PARAMETERS

TIME	VOLUME REMOVED (gallons)	ELECTRICAL CONDUCTIVITY (umhos)	pH	TEMP. (°F)	REMARKS
1225	3	825	6.77	65.8	Clear
1229	6	828	6.74	66.1	
1235	9	837	6.79	64.8	

SAMPLE COLLECTION DATA

TIME	ANALYSIS	AMOUNT/CONTAINER USED	SAMPLE INTERVAL
1240	TPHG, BTEX, EPA8260	5 VOAs - HCL	
1240	PAHs EPA8100	1 - Liter	
SAMPLING EQUIPMENT: Disposable Bailer			

MISCELLANEOUS DATA

WELL VAULT TYPE:	
DRUMS FILLED/USED:	
SAMPLE STORAGE:	

TOC-Top of Well Casing

Project: abi Tue May 29 09:28:49 2007
Point statistics:
Starting point number: 1
Current point number: 7156 ('L' indicates locked point)

Current Coordinate Listing by Point Range

Point	Northing	Easting	Elevation	Description

ELEVATION OF TOP OF VERTICAL PIPE IN MONITORING WELL

7134	459601.3149	1510737.2195	8.990	MW-5
7135	459544.3531	1510660.0557	9.300	MW-8
7136	459790.4090	1510599.8389	8.290	MW-6
7137	459688.1340	1510683.2525	8.000	MW-3
7143	459390.3594	1510888.1641	6.070	MW-9
7144	459404.9694	1510404.0804	7.710	MW-1
7145	459485.6758	1510400.7563	8.700	MW-7
7155	459405.9934	1510758.7025	5.530	MW2-R

APPENDIX B

LABORATORY ANALYTICAL RESULTS
CHAIN-OF-CUSTODY

BSK ANALYTICAL LABORATORIES

BSK Submission Number: 2006081862

09/01/2006

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

Dear Martin Cline,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Please find enclosed the following sections for your complete laboratory report, each uniquely paginated:

CASE NARRATIVE: An overview of the work performed.
CERTIFICATE OF ANALYSIS: Analytical results.
QUALITY CONTROL (QC) SUMMARY: QC supporting the results presented herein.
REPORT OF SAMPLE INTEGRITY
CHAIN OF CUSTODY FORM

Certification: I certify that this data package is in compliance with NELAC Standards for applicable analyses under NELAP Certificate #04227CA, and is in compliance with ELAP Standards for applicable certified analyses under ELAP Certificate #1180, except for the conditions listed.

If additional clarification of any information is required, please contact your Client Services Representative, John Posten, at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

John Posten
Client Services Representative

Cynthia Hamilton
Quality Assurance Specialist

40th Anniversary 1966 - 2006

Case Narrative

BSK Submission Number: 2006081862

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

RUN	ORDER	TEST	ANALYTE	COMMENT
118315	759920	EPA 8270C	Pyrene	LCSD recovery was out of the acceptance range, however the LCS recovery was within the acceptance range, therefore the data were reported.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT
758949	EPA 8260B		Sample was diluted due to matrix interference.
758949	EPA 8270C		Sample was diluted due to matrix interference.
758949	EPA 8270C	2-Fluorobiphenyl	Surrogate recovery was affected by matrix and dilution factor.

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081862
BSK Sample ID #: 758949

Report Issue Date: 09/01/2006

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: MW-9
Sample Comments:

Date Sampled: 08/23/2006
Time Sampled: 1240
Date Received: 08/24/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Hexachlorobutadiene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Hexachloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Iodomethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Isopropylbenzene	EPA 8260B	53	µg/L	5.0	8	40	08/31/06	08/31/06
m,p-Xylenes	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Methylacrylate	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Methylene Chloride	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
Methylmethacrylate	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/L	5.0	10	50	08/26/06	08/27/06
Naphthalene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
n-Butylbenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Nitrobenzene	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
n-Propylbenzene	EPA 8260B	62	µg/L	5.0	8	40	08/31/06	08/31/06
o-Xylene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Pentachloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
p-Isopropyltoluene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
sec-Butylbenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Styrene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
t-Amyl Methyl Ether	EPA 8260B	ND	µg/L	5.0	10	50	08/26/06	08/27/06
tert-Butyl Alcohol	EPA 8260B	ND	µg/L	50	10	500	08/26/06	08/27/06
tert-Butylbenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Tetrachloroethene (PCE)	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Toluene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
trans-1,2-Dichloroethene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
trans-1,3-Dichloropropene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Trichloroethene (TCE)	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Trichloroflouromethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Vinyl Chloride	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081862
BSK Sample ID #: 758949

Report Issue Date: 09/01/2006

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: MW-9
Sample Comments:

Date Sampled: 08/23/2006
Time Sampled: 1240
Date Received: 08/24/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Acenaphthene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Acenaphthylene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Anthracene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Benzo(a)anthracene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Benzo(a)pyrene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Benzo(b)fluoranthene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Benzo(ghi)perylene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Benzo(k)fluoranthene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Chrysene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Dibenz(a,h)anthracene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Fluoranthene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Fluorene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Naphthalene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Phenanthrene	EPA 8270C	ND	µg/L	10.0	10	100	08/24/06	08/25/06
Pyrene	EPA 8270C	ND	µg/L	5.0	10	50	08/24/06	08/25/06
Surrogate								
Tetracosane	EPA 8015B	98	% Rec		1	N/A	08/24/06	08/26/06
Fluorobenzene	EPA 8021B	110	% Rec	-	10	N/A	08/25/06	08/25/06
Bromofluorobenzene	EPA 8260B	91	% Rec		8	N/A	08/31/06	08/31/06
Dibromofluoromethane	EPA 8260B	99	% Rec		8	N/A	08/31/06	08/31/06
Toluene-d8	EPA 8260B	99	% Rec		8	N/A	08/31/06	08/31/06
Toluene-d8	EPA 8260B	98	% Rec	-	10	N/A	08/26/06	08/27/06
2-Fluorobiphenyl	EPA 8270C	41	% Rec		10	N/A	08/24/06	08/25/06
4-Terphenyl-d14	EPA 8270C	55	% Rec		10	N/A	08/24/06	08/25/06
Nitrobenzene-d5	EPA 8270C	57	% Rec		10	N/A	08/24/06	08/25/06

LUFT Comments

TPH as Diesel (C10-C28) Higher boiling point hydrocarbons decreased relative to standard

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

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P: Preliminary result
S: Suspect result. See Case Narrative for comments.
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BSK Submission #: 2006081862
BSK Sample ID #: 758949

Report Issue Date: 09/01/2006

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: MW-9
Sample Comments:

Date Sampled: 08/23/2006
Time Sampled: 1240
Date Received: 08/24/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
TPH as Diesel (C10-C28)	EPA 8015B	440	µg/L	50	1	50	08/24/06	08/26/06
TPH as Gasoline (C6-C10)	EPA 8015B	7400	µg/L	50	10	500	08/25/06	08/25/06
Benzene	EPA 8021B	250	µg/L	0.3	10	3.0	08/25/06	08/25/06
Ethylbenzene	EPA 8021B	51	µg/L	0.3	10	3.0	08/25/06	08/25/06
Toluene	EPA 8021B	11	µg/L	0.3	10	3.0	08/25/06	08/25/06
Total Xylenes	EPA 8021B	14	µg/L	0.3	10	3.0	08/25/06	08/25/06
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,1,1-Trichloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,1,2-Trichloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,1-Dichloro-2-propanone	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
1,1-Dichloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,1-Dichloroethene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,1-Dichloropropene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2,3-Trichlorobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2,3-Trichloropropane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2,4-Trichlorobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2,4-Trimethylbenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2-Dibromoethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2-Dichlorobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2-Dichloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,2-Dichloropropane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,3,5-Trimethylbenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,3-Dichlorobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,3-Dichloropropane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1,4-Dichlorobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
1-Chlorobutane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
2,2-Dichloropropane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081862
BSK Sample ID #: 758949

Report Issue Date: 09/01/2006

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: MW-9
Sample Comments:

Date Sampled: 08/23/2006
Time Sampled: 1240
Date Received: 08/24/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
2-Butanone	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
2-Chlorotoluene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
2-Hexanone	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
3-Chloropropene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
4-Chlorotoluene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
4-Methyl-2-pentanone	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
Acetone	EPA 8260B	ND	µg/L	25	8	200	08/31/06	08/31/06
Benzene	EPA 8260B	240	µg/L	5.0	8	40	08/31/06	08/31/06
Bromobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Bromochloromethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Bromodichloromethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Bromoform	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Bromomethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Carbon Disulfide	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Carbontetrachloride	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Chlorobenzene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Chloroethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Chloroform	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Chloromethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
cis-1,2-Dichloroethene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
cis-1,3-Dichloropropene	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Dibromochloromethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Dibromomethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Dichlorodifluoromethane	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Diethyl ether	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06
Di-isopropyl Ether	EPA 8260B	ND	µg/L	5.0	10	50	08/26/06	08/27/06
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/L	5.0	10	50	08/26/06	08/27/06
Ethylbenzene	EPA 8260B	44	µg/L	5.0	8	40	08/31/06	08/31/06
Ethylmethacrylate	EPA 8260B	ND	µg/L	5.0	8	40	08/31/06	08/31/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118061
Analyst Initials: **MICHAELK**
Method Number: **TPHD_LL**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
TPH as Diesel (C10-C28)	LCS	N/A	2200	µg/L	90		2500	ND	130	70	08/25/06	*Acceptable*
TPH as Diesel (C10-C28)	LCSD	N/A	2000	µg/L	80	10	2500	ND	130	70	08/25/06	*Acceptable*
TPH as Diesel (C10-C28)	MS	757355	2000	µg/L	78		2500	ND	130	70	08/26/06	*Acceptable*
TPH as Diesel (C10-C28)	RBLK	N/A	ND	µg/L	< 50				50	N/A	08/26/06	*Acceptable*
	RBLK	N/A	ND	µg/L	< 50				50	N/A	08/26/06	*Acceptable*

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL	Date	
Tetracosane	LCS	N/A	110	% Rec	100	189	45	08/25/06	*Acceptable*
Tetracosane	LCSD	N/A	94	% Rec	100	189	45	08/25/06	*Acceptable*
Tetracosane	MS	757355	95	% Rec	81	189	45	08/26/06	*Acceptable*
Tetracosane	RBLK	N/A	100	% Rec		N/A	N/A	08/26/06	*Acceptable*
	RBLK	N/A	98	% Rec		N/A	N/A	08/26/06	*Acceptable*

StarLims Run 118061 includes the following BSK Sample ID# :

754645 754646 754647 754648 754649 755102 755103 755104 755105 755106 757355 758949 759406 759407 759408 759409 759410

BSK StarLims Run #: 118230
Analyst Initials: **FRANKP**
Method Number: **BTEX_LL**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Benzene	LCS	N/A	18	µg/L	88		20	ND	130	70	08/25/06	*Acceptable*
Ethylbenzene	LCS	N/A	17	µg/L	87		20	ND	130	70	08/25/06	*Acceptable*
Toluene	LCS	N/A	18	µg/L	87		20	ND	130	70	08/25/06	*Acceptable*
Total Xylenes	LCS	N/A	52	µg/L	86		60	ND	130	70	08/25/06	*Acceptable*
Benzene	LCSD	N/A	16	µg/L	79	10	20	ND	130	70	08/25/06	*Acceptable*
Ethylbenzene	LCSD	N/A	16	µg/L	79	9.6	20	ND	130	70	08/25/06	*Acceptable*
Toluene	LCSD	N/A	16	µg/L	79	10	20	ND	130	70	08/25/06	*Acceptable*
Total Xylenes	LCSD	N/A	47	µg/L	78	9.7	60	ND	130	70	08/25/06	*Acceptable*
Benzene	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/25/06	*Acceptable*
Ethylbenzene	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/25/06	*Acceptable*
Toluene	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/25/06	*Acceptable*
Total Xylenes	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/25/06	*Acceptable*
TPH as Gasoline (C6-C10)	RBLK	N/A	ND	µg/L	< 50				50	N/A	08/25/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118230
Analyst Initials: **FRANKP**

Method Number: **TPHG_LL**

Surrogate Results

Analyte	QC Type				Surr. Result	UCL	LCL	Date	
Fluorobenzene	LCS	N/A	110	% Rec	110	130	70	08/25/06	*Acceptable*
Fluorobenzene	LCSD	N/A	94	% Rec	110	130	70	08/25/06	*Acceptable*
Fluorobenzene	RBLK	N/A	110	% Rec		N/A	N/A	08/25/06	*Acceptable*

StarLims Run 118230 includes the following BSK Sample ID# :

756598 757066 757067 757068 757069 757070 757355 757365 758949 759653 759654 759655

BSK StarLims Run #: 118315
Analyst Initials: **DANB**

Method Number: **8100MS_LL**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Acenaphthene	LCS	N/A	36	µg/L	71		50	ND	120	50	08/25/06	*Acceptable*
Pyrene	LCS	N/A	41	µg/L	81		50	ND	120	40	08/25/06	*Acceptable*
Acenaphthene	LCSD	N/A	46	µg/L	91	24	50	ND	120	50	08/25/06	*Acceptable*
Pyrene	LCSD	N/A	66	µg/L	131	46	50	ND	120	40	08/25/06	*OOS-High*
Acenaphthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Acenaphthylene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Anthracene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Benzo(a)anthracene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Benzo(a)pyrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Benzo(b)fluoranthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Benzo(ghi)perylene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Benzo(k)fluoranthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Chrysene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Dibenz(a,h)anthracene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Fluoranthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Fluorene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Ideno(1,2,3-cd)pyrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Naphthalene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*
Phenanthrene	RBLK	N/A	ND	µg/L	< 10				10	N/A	08/25/06	*Acceptable*
Pyrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/25/06	*Acceptable*

Run	Test	Analyte	Comment
118315	8100MS_LL	Pyrene	LCSD recovery was out of the acceptance range, however the LCS recovery was within the acceptance range, therefore the data were reported.

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118315

Analyst Initials: **DANB** Method Number: **8100MS_LL**

Surrogate Results

Analyte	QC Type			Surr. Result		UCL	LCL	Date	
2-Fluorobiphenyl	LCS	N/A	59	% Rec	75	120	50	08/25/06	*Acceptable*
4-Terphenyl-d14	LCS	N/A	81	% Rec	100	130	50	08/25/06	*Acceptable*
Nitrobenzene-d5	LCS	N/A	84	% Rec	110	130	60	08/25/06	*Acceptable*
2-Fluorobiphenyl	LCSD	N/A	71	% Rec	75	120	50	08/25/06	*Acceptable*
4-Terphenyl-d14	LCSD	N/A	110	% Rec	100	130	50	08/25/06	*Acceptable*
Nitrobenzene-d5	LCSD	N/A	160	% Rec	110	130	60	08/25/06	*OOS-High*
2-Fluorobiphenyl	RBLK	N/A	75	% Rec		N/A	N/A	08/25/06	*Acceptable*
4-Terphenyl-d14	RBLK	N/A	100	% Rec		N/A	N/A	08/25/06	*Acceptable*
Nitrobenzene-d5	RBLK	N/A	110	% Rec		N/A	N/A	08/25/06	*Acceptable*

StarLims Run 118315 includes the following BSK Sample ID# :

758949 759918 759919 759920

BSK StarLims Run #: 118354

Analyst Initials: **CHERYLC** Method Number: **8260OX**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
1,2-Dibromoethane	LCS	N/A	12	µg/L	97		12.5	ND	120	80	08/26/06	*Acceptable*
1,2-Dichloroethane	LCS	N/A	12	µg/L	100		12.5	ND	120	75	08/26/06	*Acceptable*
Di-isopropyl Ether	LCS	N/A	12	µg/L	96		12.5	ND	130	80	08/26/06	*Acceptable*
Ethyl t-Butyl Ether	LCS	N/A	12	µg/L	97		12.5	ND	130	70	08/26/06	*Acceptable*
Methyl-t-Butyl Ether	LCS	N/A	12	µg/L	99		12.5	ND	130	80	08/26/06	*Acceptable*
t-Amyl Methyl Ether	LCS	N/A	12	µg/L	100		12.5	ND	140	60	08/26/06	*Acceptable*
tert-Butyl Alcohol	LCS	N/A	140	µg/L	108		125	ND	140	60	08/26/06	*Acceptable*
1,2-Dibromoethane	LCSD	N/A	13	µg/L	101	3.6	12.5	ND	120	80	08/26/06	*Acceptable*
1,2-Dichloroethane	LCSD	N/A	13	µg/L	102	2.6	12.5	ND	120	75	08/26/06	*Acceptable*
Di-isopropyl Ether	LCSD	N/A	12	µg/L	99	3.4	12.5	ND	130	80	08/26/06	*Acceptable*
Ethyl t-Butyl Ether	LCSD	N/A	13	µg/L	102	6	12.5	ND	130	70	08/26/06	*Acceptable*
Methyl-t-Butyl Ether	LCSD	N/A	13	µg/L	106	6.2	12.5	ND	130	80	08/26/06	*Acceptable*
t-Amyl Methyl Ether	LCSD	N/A	13	µg/L	103	3	12.5	ND	140	60	08/26/06	*Acceptable*
tert-Butyl Alcohol	LCSD	N/A	140	µg/L	113	4.9	125	ND	140	60	08/26/06	*Acceptable*
1,2-Dibromoethane	MS	756598	12	µg/L	92		12.5	ND	125	75	08/27/06	*Acceptable*
1,2-Dichloroethane	MS	756598	12	µg/L	94		12.5	ND	125	75	08/27/06	*Acceptable*
Di-isopropyl Ether	MS	756598	11	µg/L	88		12.5	ND	130	70	08/27/06	*Acceptable*
Ethyl t-Butyl Ether	MS	756598	11	µg/L	91		12.5	ND	130	70	08/27/06	*Acceptable*
Methyl-t-Butyl Ether	MS	756598	12	µg/L	97		12.5	ND	145	70	08/27/06	*Acceptable*
t-Amyl Methyl Ether	MS	756598	12	µg/L	92		12.5	ND	125	70	08/27/06	*Acceptable*

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RPD: Relative Percent Difference
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LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
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Parent Sample: Sample used as background matrix for MS/MSD
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BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118354

Analyst Initials: **CHERYLC** Method Number: **8260OX**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
tert-Butyl Alcohol	MS	756598	120	µg/L	97		125	ND	140	70	08/27/06	*Acceptable*
1,2-Dibromoethane	MSD	756598	11	µg/L	91	1.2	12.5	ND	125	75	08/27/06	*Acceptable*
1,2-Dichloroethane	MSD	756598	12	µg/L	100	5.7	12.5	ND	125	75	08/27/06	*Acceptable*
Di-isopropyl Ether	MSD	756598	12	µg/L	92	4.1	12.5	ND	130	70	08/27/06	*Acceptable*
Ethyl t-Butyl Ether	MSD	756598	12	µg/L	94	3.2	12.5	ND	130	70	08/27/06	*Acceptable*
Methyl-t-Butyl Ether	MSD	756598	12	µg/L	96	0.83	12.5	ND	145	70	08/27/06	*Acceptable*
t-Amyl Methyl Ether	MSD	756598	13	µg/L	100	8.3	12.5	ND	125	70	08/27/06	*Acceptable*
tert-Butyl Alcohol	MSD	756598	130	µg/L	106	8.9	125	ND	140	70	08/27/06	*Acceptable*
1,2-Dibromoethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/26/06	*Acceptable*
1,2-Dichloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/26/06	*Acceptable*
Di-isopropyl Ether	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/26/06	*Acceptable*
Ethyl t-Butyl Ether	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/26/06	*Acceptable*
Methyl-t-Butyl Ether	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/26/06	*Acceptable*
t-Amyl Methyl Ether	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/26/06	*Acceptable*
tert-Butyl Alcohol	RBLK	N/A	ND	µg/L	< 50				50	N/A	08/26/06	*Acceptable*

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL	Date	
Toluene-d8	LCS	N/A	100	% Rec	100	120	80	08/26/06	*Acceptable*
Toluene-d8	LCSD	N/A	100	% Rec	100	120	80	08/26/06	*Acceptable*
Toluene-d8	MS	756598	98	% Rec	98	130	80	08/27/06	*Acceptable*
Toluene-d8	MSD	756598	94	% Rec	98	130	80	08/27/06	*Acceptable*
Toluene-d8	RBLK	N/A	100	% Rec		N/A	N/A	08/26/06	*Acceptable*

StarLims Run 118354 includes the following BSK Sample ID# :

756450 756451 756456 756457 756598 757064 757065 757066 757067 758949 760096 760099 760100 760101 760102

BSK StarLims Run #: 118592

Analyst Initials: **CHERYLC** Method Number: **8260**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
1,1-Dichloroethene	LCS	N/A	11	µg/L	87		12.5	ND	120	70	08/31/06	*Acceptable*
Benzene	LCS	N/A	12	µg/L	93		12.5	ND	120	80	08/31/06	*Acceptable*
Chlorobenzene	LCS	N/A	13	µg/L	104		12.5	ND	120	80	08/31/06	*Acceptable*
Toluene	LCS	N/A	12	µg/L	98		12.5	ND	120	70	08/31/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E06055045**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118592
Analyst Initials: **CHERYLC**
Method Number: **8260**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Trichloroethene (TCE)	LCS	N/A	13	µg/L	100		12.5	ND	120	80	08/31/06	*Acceptable*
1,1-Dichloroethene	LCSD	N/A	11	µg/L	89	2.8	12.5	ND	120	70	08/31/06	*Acceptable*
Benzene	LCSD	N/A	12	µg/L	94	0.86	12.5	ND	120	80	08/31/06	*Acceptable*
Chlorobenzene	LCSD	N/A	13	µg/L	104	0.0	12.5	ND	120	80	08/31/06	*Acceptable*
Toluene	LCSD	N/A	12	µg/L	98	0.0	12.5	ND	120	70	08/31/06	*Acceptable*
Trichloroethene (TCE)	LCSD	N/A	12	µg/L	100	0.8	12.5	ND	120	80	08/31/06	*Acceptable*
1,1,1,2-Tetrachloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,1,1-Trichloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,1,2,2-Tetrachloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,1,2-Trichloro-1,2,2-Trifluoroethane	RBLK	N/A	ND	µg/L	< 0.5				0.5	N/A	08/30/06	*Acceptable*
1,1,2-Trichloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,1-Dichloro-2-propanone	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*
1,1-Dichloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,1-Dichloroethene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,1-Dichloropropene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2,3-Trichlorobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2,3-Trichloropropane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2,4-Trichlorobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2,4-Trimethylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2-Dibromo-3-chloropropane (DBCP)	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2-Dibromoethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2-Dichlorobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2-Dichloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,2-Dichloropropane	RBLK	N/A	ND	µg/L	< 0.5				0.5	N/A	08/30/06	*Acceptable*
1,3,5-Trimethylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,3-Dichlorobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,3-Dichloropropane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1,4-Dichlorobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
1-Chlorobutane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
2,2-Dichloropropane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
2-Butanone	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*
2-Chlorotoluene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
2-Hexanone	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*
3-Chloropropene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
4-Chlorotoluene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
4-Methyl-2-pentanone	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*

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RPD: Relative Percent Difference
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LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E06055045**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118592
Analyst Initials: **CHERYLC**
Method Number: **8260**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Acetone	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*
Benzene	RBLK	N/A	ND	µg/L	< 0.5				0.5	N/A	08/30/06	*Acceptable*
Bromobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Bromochloromethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Bromodichloromethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Bromoform	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Bromomethane	RBLK	N/A	ND	µg/L	< 1.0				1.0	N/A	08/30/06	*Acceptable*
Carbon Disulfide	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Carbontetrachloride	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Chlorobenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Chloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Chloroform	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Chloromethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
cis-1,2-Dichloroethene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
cis-1,3-Dichloropropene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Dibromochloromethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Dibromomethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Dichlorodifluoromethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Diethyl ether	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Ethylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Ethylmethacrylate	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Hexachlorobutadiene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Hexachloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Iodomethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Isopropylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
m,p-Xylenes	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Methyl-t-Butyl Ether	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Methylacrylate	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Methylene Chloride	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*
Methylmethacrylate	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
n-Butylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
n-Propylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Naphthalene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Nitrobenzene	RBLK	N/A	ND	µg/L	< 25				25	N/A	08/30/06	*Acceptable*
o-Xylene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
p-Isopropyltoluene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Pentachloroethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*

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OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/01/2006

BSK Submission : **2006081862**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/24/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118592

Analyst Initials: **CHERYLC** Method Number: **8260**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
sec-Butylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Styrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
tert-Butylbenzene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Tetrachloroethene (PCE)	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Toluene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Total Xylene Isomers	RBLK	N/A	ND	µg/L	< 0.5				0.5	N/A	08/30/06	*Acceptable*
trans-1,2-Dichloroethene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
trans-1,3-Dichloropropene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Trichloroethene (TCE)	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Trichloroflouromethane	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*
Vinyl Chloride	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/30/06	*Acceptable*

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL	Date	
Bromofluorobenzene	LCS	N/A	120	% Rec	120	120	70	08/31/06	*Acceptable*
Dibromofluoromethane	LCS	N/A	97	% Rec	98	120	80	08/31/06	*Acceptable*
Toluene-d8	LCS	N/A	94	% Rec	95	120	80	08/31/06	*Acceptable*
Bromofluorobenzene	LCSD	N/A	120	% Rec	120	120	70	08/31/06	*OOS-High*
Dibromofluoromethane	LCSD	N/A	100	% Rec	98	120	80	08/31/06	*Acceptable*
Toluene-d8	LCSD	N/A	95	% Rec	95	120	80	08/31/06	*Acceptable*
Bromofluorobenzene	RBLK	N/A	120	% Rec		N/A	N/A	08/30/06	*OOS-High*
Dibromofluoromethane	RBLK	N/A	98	% Rec		N/A	N/A	08/30/06	*Acceptable*
Toluene-d8	RBLK	N/A	95	% Rec		N/A	N/A	08/30/06	*Acceptable*

StarLims Run 118592 includes the following BSK Sample ID# :

757373 757374 757375 758949 760791 761653 761655 761656

Approved by: Cynthia Hamilton

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
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LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

Sample Integrity

Pg. 1 of 2

2006081862 08/24/2006

BSK S TAT: 2 Day

824028

Date Received 8/24/06

Section 1- Sampled Same Day

Sample Transport: Walk In SJVC BSK-Courier Transported In: Ice Chest Box Hand

Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient / On Ice

Section 2- Sampled Previously

Sample Transport: (CAO) UPS SJVC Walk-In BSK-Courier GSO Fed Exp. Other:_____

No. Coolers/Ice Chests: 2 Temperature(s): 3, 5

Was Temperature In Range: (Y) N Received On Ice: (Wet) Blue

Describe type of packing materials: (Bubble Wrap) Foam Packing Peanuts Paper Other: Ziplock

Were ice chest custody seals present? Y (N) Intact: Y (N)

Section 3- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	✓			Analysis Requested	✓		
Date Sampled	✓			Any hold times less than 72hr		✓	
Time Sampled	✓			Client Name	✓		
Sample ID	✓			Address	✓		
Special Storage/Handling Ins.		✓		Telephone #	✓		

Section 4- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?:	✓			
Were bottle custody seals present?		✓		
Were bottle custody seals intact?		✓		
Did all bottle labels agree with COC?:	✓			
Were correct containers used for the tests requested?:	✓			
Were correct preservations used for the tests requested?:	✓			
Was a sufficient amount of sample sent for tests indicated?:	✓			
Were bubbles present in VOA Vials?: **(Volatile Methods Only)**		✓		
Were Ascorbic Acid Bottles received with the VOAs		✓		

Section 5- Comments / Discrepancies

Sample(s) Split/Preserve: Yes (No) Container: _____ Preservation: _____ Init.:____

Was Client Service Rep. notified of discrepancies: Yes No (N/A) CSR: Notified By: N

Explanations / Comments

Report Comment Entered:

SR-FL-0002-01 (SMPINTG06) Labeled by: _____ Labels checked by: _____

Sample Integrity Pg 2 of 2

SR-FL-0002-01 BSK Bottles (Yes) No 2006081862 BSK S 824028 08/24/2006 TAT: 2 Day

8oz (A) 16oz (B) 32oz (C) Amber Glass (AG)

Container(s) Received	1							
Bacti $Na_2S_2O_3$								
None (p) White Cap								
None (p) Blue Cap								
HNO_3 (p) Red Cap								
H_2SO_4 (p) Yellow Cap								
NaOH (p) Green Cap								
Other:								
Dissolved Oxygen 300ml (g)								
250ml (AG) None								
250ml (AG) H_2SO_4 COD Yellow Label								
250ml (AG) $Na_2S_2O_3$ 515,547 Blue Label								
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label								
250ml (AG) NH_4Cl 552 Purple Label								
250ml (AG) EDA DBPs Brown Label								
250ml (AG) Other:								
500ml (AG) None								
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label	1							
500ml (AG) Other:								
1 Liter (AG) None	1							
1 Liter (AG) H_2SO_4 O&G Yellow Label								
1 Liter (AG) Na_2SO_3 525 N-Green Label								
1 Liter (AG) $Na_2S_2O_3$ 548 Blue Label								
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549								
1 Liter (AG) NaOH+ZnAc Sulfide								
1 Liter (AG) Other:								
40ml VOA Vial Clear – HCL	5							
40ml VOA Vial Amber – $Na_2S_2O_3$								
40ml VOA Vial Clear – None								
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505								
40ml VOA Vial Clear – H_3PO_4								
Other:								
Asbestos 1-Liter Plastic/Foil								
Radiological GA / GB (½ Gal Plastic)								
Radiological 226 / 228 (32 oz plastic N-BSK)								
Radon 200ml Clear (g)								
Low Level Hg/Metals Double Baggie								
THM-FP 4-40ml VOA None								
250 Clear Glass Jar								
500 Clear Glass Jar								
1 Liter Clear Glass Jar								
Plastic Bag								
Soil Tube Brass / Steel / Plastic								
Tedlar Bags								

8 K 24

BSK ANALYTICAL LABORATORIES

1414 Stanislaus, Fresno CA 93706
(559) 497-2888, (800) 877-8310, FAX (559) 485-6935

BSK Submission:
COC Number:
Global ID Number:

Page: [ ] of [ ]

2006081862 08/24/2006
BSK S TAT: 2 Day
824028

Lab Use Only	AB & I Oakland	Report Attention	Martin Cline
Address	BSK Sacramento	BSK Job No.:	E0605504S
City, State, Zip		Copy to:	
Phone (916) 853-9293		FAX	(916) 853-9297

Lab Use Only			Sampling Info			Method Preserved					Analy										
S#	T#	C#	Date	Time	Field Point Name	HCl	HNO3	H2SO4	NONE	OTHER (List)	BTEX/TPH-G (8020/8015M)	TPH-Diesel (8015M)	8260 Full Scan + Fuel Oxygenate	PAHs(8100)							Rush Priority (1-Day, 2-Day, 5-
1	L		8/23/06	12:40	MW-9						x	x	x	x							2 day
															758949						

QC Report Type: Level [X] 2 [ ] 3 [ ] 4

Formal COC Required: [ ]

Electronic Data Format Required: [X] Email EDF To: mbcline@bskinc.com

Low Level Fuel Oxygenates Detection Limits Req: [X]

	Signature	Print Name	Company	Date/Time
Received / Relinquished by:		Martin Cline	BSK-Sac	8/23/06 15:10
Received / Relinquished by:				
Received / Relinquished by:				
Received / Relinquished by:				
Received / Relinquished by:			BSK	8/24/06 0805

BSK ANALYTICAL LABORATORIES

BSK Submission Number: 2006081576

09/11/2006

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

Dear Dennis Dettloff,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Please find enclosed the following sections for your complete laboratory report, each uniquely paginated:

CASE NARRATIVE: An overview of the work performed.
CERTIFICATE OF ANALYSIS: Analytical results.
QUALITY CONTROL (QC) SUMMARY: QC supporting the results presented herein.
REPORT OF SAMPLE INTEGRITY
CHAIN OF CUSTODY FORM
SUBCONTRACTED ANALYTICAL REPORT(S)

Certification: I certify that this data package is in compliance with NELAC Standards for applicable analyses under NELAP Certificate #04227CA, and is in compliance with ELAP Standards for applicable certified analyses under ELAP Certificate #1180, except for the conditions listed.

If additional clarification of any information is required, please contact your Client Services Representative, John Posten, at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

John Posten
Client Services Representative

Cynthia Hamilton
Quality Assurance Specialist

40th Anniversary 1966 - 2006

Case Narrative

BSK Submission Number: 2006081576

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT
757360	EPA 8270C	4-Terphenyl-d14	Surrogate recovery was affected by the matrix.

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576

BSK Sample ID #: 757361

Project ID: E0605502S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Liquid
Sample Description: MW-1
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/17/2006
Time Sampled: 1532
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Acenaphthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	ND	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Surrogate								
2-Fluorobiphenyl	EPA 8270C	75	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	83	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	100	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576
BSK Sample ID #: 757362

Project ID: E0605502S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Liquid
Sample Description: MW-2R
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/18/2006
Time Sampled: 0822
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
TPH as Diesel (C10-C28)	EPA 8015B	**260**	µg/L	50	1	50	08/21/06	08/22/06
TPH as Gasoline (C6-C10)	EPA 8015B	**510**	µg/L	50	1	50	08/21/06	08/21/06
Benzene	EPA 8021B	**0.62**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Ethylbenzene	EPA 8021B	**0.53**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Toluene	EPA 8021B	**2.6**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Total Xylenes	EPA 8021B	**0.85**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Acenaphthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	**ND**	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06

Surrogate

Tetracosane	EPA 8015B	**130**	% Rec		1	N/A	08/21/06	08/22/06
Fluorobenzene	EPA 8021B	**99**	% Rec	-	1	N/A	08/21/06	08/21/06
2-Fluorobiphenyl	EPA 8270C	**75**	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	**62**	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	**100**	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576
BSK Sample ID #: 757357

Project ID: E0605502S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Liquid
Sample Description: MW-3
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/17/2006
Time Sampled: 1222
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Acenaphthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	ND	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Surrogate								
2-Fluorobiphenyl	EPA 8270C	70	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	96	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	100	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576
BSK Sample ID #: 757363

Report Issue Date: 09/11/2006

Project ID: E0605502S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Liquid
Sample Description: MW-4
Sample Comments:

Date Sampled: 08/18/2006
Time Sampled: 0856
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Acenaphthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	ND	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Surrogate								
2-Fluorobiphenyl	EPA 8270C	76	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	87	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	100	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
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1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576
BSK Sample ID #: 757359

Report Issue Date: 09/11/2006

Project ID: E06055025 Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Liquid
Sample Description: MW-5
Sample Comments:

Date Sampled: 08/17/2006
Time Sampled: 1422
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
TPH as Diesel (C10-C28)	EPA 8015B	**80**	µg/L	50	1	50	08/21/06	08/22/06
TPH as Gasoline (C6-C10)	EPA 8015B	**ND**	µg/L	50	1	50	08/21/06	08/21/06
Benzene	EPA 8021B	**0.56**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Ethylbenzene	EPA 8021B	**ND**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Toluene	EPA 8021B	**0.70**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Total Xylenes	EPA 8021B	**ND**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Acenaphthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	**ND**	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Surrogate								
Tetracosane	EPA 8015B	**100**	% Rec		1	N/A	08/21/06	08/22/06
Fluorobenzene	EPA 8021B	**120**	% Rec	-	1	N/A	08/21/06	08/21/06
2-Fluorobiphenyl	EPA 8270C	**83**	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	**83**	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	**110**	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576
BSK Sample ID #: 757356

Project ID: E0605502S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Liquid
Sample Description: MW-6
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/17/2006
Time Sampled: 1140
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
TPH as Diesel (C10-C28)	EPA 8015B	110	µg/L	50	1	50	08/21/06	08/22/06
TPH as Gasoline (C6-C10)	EPA 8015B	ND	µg/L	50	1	50	08/21/06	08/21/06
Benzene	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Ethylbenzene	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Toluene	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Total Xylenes	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Acenaphthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	ND	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06

Surrogate

Tetracosane	EPA 8015B	130	% Rec		1	N/A	08/21/06	08/22/06
Fluorobenzene	EPA 8021B	100	% Rec	-	1	N/A	08/21/06	08/21/06
2-Fluorobiphenyl	EPA 8270C	70	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	73	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	110	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576

BSK Sample ID #: 757360

Project ID: E0605502S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Liquid
Sample Description: MW-7
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/17/2006
Time Sampled: 1452
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
TPH as Diesel (C10-C28)	EPA 8015B	**520**	µg/L	50	1	50	08/21/06	08/22/06
TPH as Gasoline (C6-C10)	EPA 8015B	**ND**	µg/L	50	1	50	08/21/06	08/21/06
Benzene	EPA 8021B	**ND**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Ethylbenzene	EPA 8021B	**ND**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Toluene	EPA 8021B	**0.35**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Total Xylenes	EPA 8021B	**ND**	µg/L	0.3	1	0.3	08/21/06	08/21/06
Acenaphthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	**ND**	µg/L	10.0	1	10	08/21/06	08/23/06
Pyrene	EPA 8270C	**ND**	µg/L	5.0	1	5.0	08/21/06	08/23/06
Surrogate								
Tetracosane	EPA 8015B	**98**	% Rec		1	N/A	08/21/06	08/22/06
Fluorobenzene	EPA 8021B	**110**	% Rec	-	1	N/A	08/21/06	08/21/06
2-Fluorobiphenyl	EPA 8270C	**55**	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	**49**	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	**100**	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Dennis Dettloff
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081576
BSK Sample ID #: 757358

Project ID: E0605502S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Liquid
Sample Description: MW-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/17/2006
Time Sampled: 1304
Date Received: 08/18/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
TPH as Diesel (C10-C28)	EPA 8015B	78	µg/L	50	1	50	08/21/06	08/22/06
TPH as Gasoline (C6-C10)	EPA 8015B	640	µg/L	50	1	50	08/21/06	08/21/06
Benzene	EPA 8021B	1.9	µg/L	0.3	1	0.3	08/21/06	08/21/06
Ethylbenzene	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Toluene	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Total Xylenes	EPA 8021B	ND	µg/L	0.3	1	0.3	08/21/06	08/21/06
Acenaphthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Acenaphthylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(a)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(b)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(ghi)perylene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Benzo(k)fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Chrysene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Dibenz(a,h)anthracene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluoranthene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Fluorene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Ideno(1,2,3-cd)pyrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Naphthalene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Phenanthrene	EPA 8270C	ND	µg/L	5.0	1	5.0	08/21/06	08/23/06
Pyrene	EPA 8270C	ND	µg/L	10.0	1	10	08/21/06	08/23/06

Surrogate

Tetracosane	EPA 8015B	110	% Rec		1	N/A	08/21/06	08/22/06
Fluorobenzene	EPA 8021B	110	% Rec	-	1	N/A	08/21/06	08/21/06
2-Fluorobiphenyl	EPA 8270C	78	% Rec		1	N/A	08/21/06	08/23/06
4-Terphenyl-d14	EPA 8270C	85	% Rec		1	N/A	08/21/06	08/23/06
Nitrobenzene-d5	EPA 8270C	110	% Rec		1	N/A	08/21/06	08/23/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
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PQL: Practical Quantitation Limit
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Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081576**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/18/2006**
Project ID : **E06055025**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 117954

Analyst Initials: **MICHAELK** Method Number: **TPHD_LL**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
TPH as Diesel (C10-C28)	LCS	N/A	2400	µg/L	94		2500	ND	130	70	08/22/06	*Acceptable*
TPH as Diesel (C10-C28)	LCSD	N/A	2200	µg/L	85	9	2500	ND	130	70	08/22/06	*Acceptable*
TPH as Diesel (C10-C28)	MS	757356	2800	µg/L	106		2500	110	130	70	08/22/06	*Acceptable*
TPH as Diesel (C10-C28)	RBLK	N/A	ND	µg/L	< 50				50	N/A	08/22/06	*Acceptable*

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL	Date	
Tetracosane	LCS	N/A	110	% Rec	93	189	45	08/22/06	*Acceptable*
Tetracosane	LCSD	N/A	100	% Rec	93	189	45	08/22/06	*Acceptable*
Tetracosane	MS	757356	130	% Rec	130	189	45	08/22/06	*Acceptable*
Tetracosane	RBLK	N/A	93	% Rec		N/A	N/A	08/22/06	*Acceptable*

StarLims Run 117954 includes the following BSK Sample ID# :

757356 757358 757359 757360 757362 757885 757886 757887 757888

BSK StarLims Run #: 117984

Analyst Initials: **KATIEH** Method Number: **BTEX_LL**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Benzene	LCS	N/A	23	µg/L	114		20	ND	130	70	08/21/06	*Acceptable*
Ethylbenzene	LCS	N/A	22	µg/L	110		20	ND	130	70	08/21/06	*Acceptable*
Methyl-t-Butyl Ether	LCS	N/A	130	µg/L	127		100	ND	130	70	08/21/06	*Acceptable*
Toluene	LCS	N/A	23	µg/L	114		20	ND	130	70	08/21/06	*Acceptable*
Total Xylenes	LCS	N/A	68	µg/L	112		60	ND	130	70	08/21/06	*Acceptable*
Benzene	LCSD	N/A	25	µg/L	124	8.3	20	ND	130	70	08/21/06	*Acceptable*
Ethylbenzene	LCSD	N/A	23	µg/L	116	5	20	ND	130	70	08/21/06	*Acceptable*
Methyl-t-Butyl Ether	LCSD	N/A	130	µg/L	127	0.054	100	ND	130	70	08/21/06	*Acceptable*
Toluene	LCSD	N/A	24	µg/L	122	6.8	20	ND	130	70	08/21/06	*Acceptable*
Total Xylenes	LCSD	N/A	72	µg/L	119	6	60	ND	130	70	08/21/06	*Acceptable*
Benzene	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/21/06	*Acceptable*
Ethylbenzene	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/21/06	*Acceptable*
Methyl-t-Butyl Ether	RBLK	N/A	ND	µg/L	< 5				5	N/A	08/21/06	*Acceptable*
Toluene	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/21/06	*Acceptable*
Total Xylenes	RBLK	N/A	ND	µg/L	< 0.3				0.3	N/A	08/21/06	*Acceptable*
TPH as Gasoline (C6-C10)	RBLK	N/A	ND	µg/L	< 50				50	N/A	08/21/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081576**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/18/2006**
Project ID : **E06055025**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 117984
Analyst Initials: **KATIEH**

Method Number: **TPHG_LL**

Surrogate Results

Analyte	QC Type			Surr. Result		UCL	LCL	Date	
Fluorobenzene	LCS	N/A	110	% Rec	110	130	70	08/21/06	*Acceptable*
Fluorobenzene	LCSD	N/A	120	% Rec	110	130	70	08/21/06	*Acceptable*
Fluorobenzene	RBLK	N/A	110	% Rec		N/A	N/A	08/21/06	*Acceptable*

StarLims Run 117984 includes the following BSK Sample ID# :

755112 755113 755114 757356 757358 757359 757360 757362 758101 758102 758103

BSK StarLims Run #: 118130
Analyst Initials: **DANB**

Method Number: **8100MS_LL**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Acenaphthene	LCS	N/A	38	µg/L	77		50	ND	120	50	08/23/06	*Acceptable*
Pyrene	LCS	N/A	43	µg/L	85		50	ND	120	40	08/23/06	*Acceptable*
Acenaphthene	LCSD	N/A	43	µg/L	85	10	50	ND	120	50	08/23/06	*Acceptable*
Pyrene	LCSD	N/A	50	µg/L	100	16	50	ND	120	40	08/23/06	*Acceptable*
Acenaphthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Acenaphthylene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Anthracene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Benzo(a)anthracene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Benzo(a)pyrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Benzo(b)fluoranthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Benzo(ghi)perylene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Benzo(k)fluoranthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Chrysene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Dibenz(a,h)anthracene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Fluoranthene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Fluorene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Ideno(1,2,3-cd)pyrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Naphthalene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*
Phenanthrene	RBLK	N/A	ND	µg/L	< 10				10	N/A	08/23/06	*Acceptable*
Pyrene	RBLK	N/A	ND	µg/L	< 5.0				5.0	N/A	08/23/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081576**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/18/2006**
Project ID : **E0605502S**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118130

Analyst Initials: **DANB**

Method Number: **8100MS_LL**

Surrogate Results

Analyte	QC Type		Surr. Result		UCL	LCL	Date	
2-Fluorobiphenyl	LCS	N/A	70	% Rec	69	120	50 08/23/06	*Acceptable*
4-Terphenyl-d14	LCS	N/A	96	% Rec	93	130	50 08/23/06	*Acceptable*
Nitrobenzene-d5	LCS	N/A	97	% Rec	93	130	60 08/23/06	*Acceptable*
2-Fluorobiphenyl	LCSD	N/A	71	% Rec	69	120	50 08/23/06	*Acceptable*
4-Terphenyl-d14	LCSD	N/A	100	% Rec	93	130	50 08/23/06	*Acceptable*
Nitrobenzene-d5	LCSD	N/A	97	% Rec	93	130	60 08/23/06	*Acceptable*
2-Fluorobiphenyl	RBLK	N/A	69	% Rec	N/A	N/A	08/23/06	*Acceptable*
4-Terphenyl-d14	RBLK	N/A	93	% Rec	N/A	N/A	08/23/06	*Acceptable*
Nitrobenzene-d5	RBLK	N/A	93	% Rec	N/A	N/A	08/23/06	*Acceptable*

StarLims Run 118130 includes the following BSK Sample ID# :

757356 757357 757358 757359 757360 757361 757362 757363 758917 758918 758919

Approved by: Cynthia Hamilton

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

Sample Integrity

Pg. 1 of 2 | CLJ | 2006081576 BSK S 818072 | 08/18/2006 TAT: Standard

Date Received 8/18/06

Section 1- Sampled Same Day

Sample Transport: Walk In SJVC BSK-Courier ~~Transported In:~~ Ice Chest Box Hand

Has chilling process begun? Y N ~~Samples Received:~~ Chilled to Touch / Ambient / On Ice

Section 2- Sampled Previously

Sample Transport: CAO UPS SJVC Walk-In BSK-Courier GSO Fed Exp. Other:_____

No. Coolers/Ice Chests: 1 Temperature(s): 6.

Was Temperature In Range Y N Received On Ice: Wet Blue

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other:_____

Were ice chest custody seals present? Y N Intact: Y N

Section 3- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	—			Analysis Requested	—		
Date Sampled	—			Any hold times less than 72hr		—	
Time Sampled	—			Client Name	—		
Sample ID	—			Address	—		
Special Storage/Handling Ins.		—		Telephone #	—		

Section 4- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?:	—			
Were bottle custody seals present?		—		
Were bottle custody seals intact?		—		
Did all bottle labels agree with COC?:	—			
Were correct containers used for the tests requested?:	—			
Were correct preservations used for the tests requested?:	—			
Was a sufficient amount of sample sent for tests indicated?:	—			
Were bubbles present in VOA Vials?: **(Volatile Methods Only)**		—		
Were Ascorbic Acid Bottles received with the VOAs		—		

Section 5- Comments / Discrepancies

Sample(s) Split/Preserve: Yes No Container:_____ Preservation:_____ Init.:____

Was Client Service Rep. notified of discrepancies: Yes No N/A CSR: Notified By:

Explanations / Comments

Report Comment Entered:

SR-FL-0002-01 (SMPINTG06) Labeled by: AP Labels checked by: MF

Sample Integrity Pg 2 of 2

2006081576 08/18/2006

BSK S TAT: Standard

818072

SR-FL-0002-01 BSK Bottles (Yes) No

8oz (A) 16oz (B) 32oz (C) Amber Glass (AG)

Container(s) Received	1	2	3-5	6	7	8	
Bacti $Na_2S_2O_3$							
None (p) White Cap							
None (p) Blue Cap							
HNO_3 (p) Red Cap							
H_2SO_4 (p) Yellow Cap							
NaOH (p) Green Cap							
Other:							
Dissolved Oxygen 300ml (g)							
250ml (AG) None							
250ml (AG) H_2SO_4 COD Yellow Label							
250ml (AG) $Na_2S_2O_3$ 515,547 Blue Label							
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label							
250ml (AG) NH_4Cl 552 Purple Label							
250ml (AG) EDA DBPs Brown Label							
250ml (AG) Other:							
500ml (AG) None							
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label	1		1		1		
500ml (AG) Other:							
1 Liter (AG) None	1	1	1	1	1	1	
1 Liter (AG) H_2SO_4 O&G Yellow Label							
1 Liter (AG) Na_2SO_3 525 N-Green Label							
1 Liter (AG) $Na_2S_2O_3$ 548 Blue Label							
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549							
1 Liter (AG) NaOH+ZnAc Sulfide							
1 Liter (AG) Other:							
40ml VOA Vial Clear – HCL	4		4		4		
40ml VOA Vial Amber – $Na_2S_2O_3$							
40ml VOA Vial Clear – None							
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505							
40ml VOA Vial Clear – H_3PO_4							
Other:							
Asbestos 1-Liter Plastic/Foil							
Radiological GA / GB (½ Gal Plastic)							
Radiological 226 / 228 (32 oz plastic N-BSK)							
Radon 200ml Clear (g)							
Low Level Hg/Metals Double Baggie							
THM-FP 4-40ml VOA None							
250 Clear Glass Jar							
500 Clear Glass Jar							
1 Liter Clear Glass Jar							
Plastic Bag							
Soil Tube Brass / Steel / Plastic							
Tedlar Bags							

8/18/06

BSK ANALYTICAL LABORATORIES

1414 Stanislaus, Fresno CA 93706
(559) 497-2888, (800) 877-8310, FAX (559) 485-6935

Page: ___ of ___

BSK Submission: 818072
COC Number:
Global ID Number:

2006081576 08/18/2006
BSK S TAT: Standard
818072

Lab Use Only	AB&I Foundry	Report Attention	Martin Cline
Address	BSK Sacramento	BSK Job No.:	E0605502S
City, State, Zip		Copy to:	
Phone (916) 853-9293		FAX	(916) 853-9297
		Sampled by:	DWM

Lab Use Only			Sampling Info			Method Preserved															
S#	Cont.	Size	Date	Time	Field Point Name	HCl	HNO3	H2SO4	NONE	OTHER (List)	TPH-Diesel (8015M)	BTEX/TPH-G (8020/8015M)	Fuel Oxygenates (8260)	PAH's (8100)							Rush Priority (1-Day, 2-Day
1	L	6	8.17.06	1140	MW-6						/	/	/	/					757	356	
2	|	1	8.17.06	1222	MW-3									/						357	
3	|	6	8.17.06	1304	MW-8						/	/	/	/						355	
4	|	6	8.17.06	1422	MW-5						/	/	/	/						359	
5	|	6	8.17.06	1452	MW-7						/	/	/	/						360	
6	|	1	8.17.06	1532	MW-1									/						361	
7	|	6	8.18.06	822	MW-2R						/	/	/	/						362	
8	V	1	8.18.06	856	MW-4									/						363	
										5 Day T.A.T.											

→ Include full scan VOCs plus fuel oxygenates as per Monty & project requirements

QC Report Type: Level [X] 2 [ ] 3 [ ] 4

Formal COC Required: [ ]

Electronic Data Format Required: [X] Email EDF To:mbcline@bskinc.com

Low Level Fuel Oxygenates Detection Limits Req: []

	Signature	Print Name	Company	Date/Time
Received / Relinquished by:		Don Griffith	BSK	8.18.06/1442
Received / Relinquished by:				
Received / Relinquished by:				
Received / Relinquished by:				
Received / Relinquished by:				8/18/06 1442

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

BSK Analytical Laboratories	Client Project ID: 2006081576	Sampled: 08-17-06
1414 Stanislaus Street	Reference Number: 9387	Received: 08-21-06
Fresno, CA 93706	Sample Description: Water	Extracted: 08-22-06
Attn: John Posten	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 08-22-06
	Lab Numbers: 9387-1W	Reported: 08-25-06
	Client Sample ID: MW-6 (757356)	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)	ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)
Benzene	0.50	ND	1,1-Dichloropropene	0.50	ND
Bromobenzene	0.50	ND	cis-1,3-Dichloropropene	0.50	ND
Bromochloromethane	0.50	ND	trans-1,3-Dichloropropene	0.50	ND
Bromodichloromethane	0.50	ND	Ethylbenzene	0.50	ND
Bromoform	0.50	ND	Hexachlorobutadiene	0.50	ND
Bromomethane	0.50	ND	Isopropylbenzene	0.50	ND
n-Butylbenzene	0.50	ND	p-Isopropyltoluene	0.50	ND
sec-Butylbenzene	0.50	ND	Methylene chloride	2.0	ND
tert-Butylbenzene	0.50	ND	Napthalene	1.0	ND
Carbon tetrachloride	0.50	ND	n-Propylbenzene	0.50	ND
Chlorobenzene	0.50	ND	Styrene	0.50	ND
Chlorodibromomethane	0.50	ND	1,1,1,2-Tetrachloroethane	0.50	ND
Chloroethane	0.50	ND	1,1,2,2,-Tetrachlorethane	0.50	ND
Chloroform	0.50	ND	Tetrachloroethene	0.50	ND
Chloromethane	0.50	ND	Toluene	0.50	ND
2-Chlorotoluene	0.50	ND	1,2,3-Trichlorobenzene	0.50	ND
4-Chlorotoluene	0.50	ND	1,2,4-Trichlorobenzene	0.50	ND
1,2-Dibromo-3-chloropropane	1.0	ND	1,1,1-Trichloroethane	0.50	ND
1,2-Dibromoethane (EDB)	0.50	ND	1,1,2-Trichloroethane	0.50	ND
Dibromomethane	0.50	ND	Trichloroethene	0.50	ND
1,2-Dichlorobenzene	0.50	ND	Trichlorofluoromethane	0.50	ND
1,3-Dichlorobenzene	0.50	ND	1,2,3-Trichloropropane	0.50	ND
1,4-Dichlorobenzene	0.50	ND	1,2,4-Trimethylbenzene	0.50	ND
Dichlorodifluoromethane	0.50	ND	1,3,5-Trimethylbenzene	0.50	ND
1,1-Dichloroethane	0.50	ND	Vinyl Chloride	0.50	ND
1,2-Dichloroethane (1,2-DCA)	0.50	ND	Xylenes, total	0.50	ND
1,1-Dichloroethene	0.50	ND	**Oxygenates**		
cis-1,2-Dichloroethene	0.50	ND	tert-Butyl Alcohol (tBA)	20	ND
trans-1,2-Dichloroethene	0.50	ND	Methyl tert-Butyl Ether (MTBE)	0.50	ND
1,2-Dichloropropane	0.50	ND	Di-Isopropyl Ether (DIPE)	0.50	ND
1,3-Dichloropropane	0.50	ND	Ethyl tert-Butyl Ether (EtBE)	0.50	ND
2,2-Dichloropropane	0.50	ND	tert-Amyl Methyl Ether (tAME)	0.50	ND

*Report Limit Multiplication Factor: 1

Surrogate Recoveries			
Dibromofluoromethane	108%	Toluene-d8	93.8%
1,2-Dichloroethane-d4	112%	p-Bromofluorobenzene	97.0%

Instrument ID: Varian 2100T & HP 5972 MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
(µg/L) = micrograms per liter or parts per billion (ppb)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

BSK Analytical Laboratories	Client Project ID: 2006081576	Sampled: 08-17-06
1414 Stanislaus Street	Reference Number: 9387	Received: 08-21-06
Fresno, CA 93706	Sample Description: Water	Extracted: 08-22-06
Attn: John Posten	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 08-22-06
	Lab Numbers: 9387-2W	Reported: 08-25-06
	Client Sample ID: MW-8 (757358)	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)	ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)
Benzene	2.5	ND	1,1-Dichloropropene	2.5	ND
Bromobenzene	2.5	ND	cis-1,3-Dichloropropene	2.5	ND
Bromochloromethane	2.5	ND	trans-1,3-Dichloropropene	2.5	ND
Bromodichloromethane	2.5	ND	Ethylbenzene	2.5	ND
Bromoform	2.5	ND	Hexachlorobutadiene	2.5	ND
Bromomethane	2.5	ND	Isopropylbenzene	2.5	ND
n-Butylbenzene	2.5	ND	p-Isopropyltoluene	2.5	ND
sec-Butylbenzene	2.5	ND	Methylene chloride	10	ND
tert-Butylbenzene	2.5	ND	Napthalene	5.0	ND
Carbon tetrachloride	2.5	ND	n-Propylbenzene	2.5	ND
Chlorobenzene	2.5	ND	Styrene	2.5	ND
Chlorodibromomethane	2.5	ND	1,1,1,2-Tetrachloroethane	2.5	ND
Chloroethane	2.5	100	1,1,2,2,-Tetrachlorethane	2.5	ND
Chloroform	2.5	ND	Tetrachloroethene	2.5	ND
Chloromethane	2.5	ND	Toluene	2.5	ND
2-Chlorotoluene	2.5	ND	1,2,3-Trichlorobenzene	2.5	ND
4-Chlorotoluene	2.5	ND	1,2,4-Trichlorobenzene	2.5	ND
1,2-Dibromo-3-chloropropane	5.0	ND	1,1,1-Trichloroethane	50	1000
1,2-Dibromoethane (EDB)	2.5	ND	1,1,2-Trichloroethane	2.5	ND
Dibromomethane	2.5	ND	Trichloroethene	2.5	ND
1,2-Dichlorobenzene	2.5	ND	Trichlorofluoromethane	2.5	ND
1,3-Dichlorobenzene	2.5	ND	1,2,3-Trichloropropane	2.5	ND
1,4-Dichlorobenzene	2.5	ND	1,2,4-Trimethylbenzene	2.5	ND
Dichlorodifluoromethane	2.5	ND	1,3,5-Trimethylbenzene	2.5	ND
1,1-Dichloroethane	50	560	Vinyl Chloride	2.5	7.4
1,2-Dichloroethane (1,2-DCA)	2.5	ND	Xylenes, total	2.5	ND
1,1-Dichloroethene	50	900	**Oxygenates**		
cis-1,2-Dichloroethene	2.5	ND	tert-Butyl Alcohol (tBA)	100	ND
trans-1,2-Dichloroethene	2.5	ND	Methyl tert-Butyl Ether (MTBE)	2.5	ND
1,2-Dichloropropane	2.5	ND	Di-Isopropyl Ether (DIPE)	2.5	ND
1,3-Dichloropropane	2.5	ND	Ethyl tert-Butyl Ether (EtBE)	2.5	ND
2,2-Dichloropropane	2.5	ND	tert-Amyl Methyl Ether (tAME)	2.5	ND

*Report limit adjusted for dilutions

Surrogate Recoveries			
Dibromofluoromethane	101%	Toluene-d8	97.7%
1,2-Dichloroethane-d4	104%	p-Bromofluorobenzene	87.1%

Instrument ID: Varian 2100T & HP 5972 MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
(µg/L) = micrograms per liter or parts per billion (ppb)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

BSK Analytical Laboratories	Client Project ID: 2006081576	Sampled: 08-17-06
1414 Stanislaus Street	Reference Number: 9387	Received: 08-21-06
Fresno, CA 93706	Sample Description: Water	Extracted: 08-22-06
Attn: John Posten	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 08-22-06
	Lab Numbers: 9387-3W	Reported: 08-25-06
	Client Sample ID: MW-5 (757359)	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)	ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)
Benzene	0.50	ND	1,1-Dichloropropene	0.50	ND
Bromobenzene	0.50	ND	cis-1,3-Dichloropropene	0.50	ND
Bromochloromethane	0.50	ND	trans-1,3-Dichloropropene	0.50	ND
Bromodichloromethane	0.50	ND	Ethylbenzene	0.50	ND
Bromoform	0.50	2.2	Hexachlorobutadiene	0.50	ND
Bromomethane	0.50	ND	Isopropylbenzene	0.50	ND
n-Butylbenzene	0.50	ND	p-Isopropyltoluene	0.50	ND
sec-Butylbenzene	0.50	ND	Methylene chloride	2.0	ND
tert-Butylbenzene	0.50	ND	Napthalene	1.0	ND
Carbon tetrachloride	0.50	ND	n-Propylbenzene	0.50	ND
Chlorobenzene	0.50	ND	Styrene	0.50	ND
Chlorodibromomethane	0.50	0.96	1,1,1,2-Tetrachloroethane	0.50	ND
Chloroethane	0.50	ND	1,1,2,2,-Tetrachlorethane	0.50	ND
Chloroform	0.50	ND	Tetrachloroethene	0.50	ND
Chloromethane	0.50	ND	Toluene	0.50	ND
2-Chlorotoluene	0.50	ND	1,2,3-Trichlorobenzene	0.50	ND
4-Chlorotoluene	0.50	ND	1,2,4-Trichlorobenzene	0.50	ND
1,2-Dibromo-3-chloropropane	1.0	ND	1,1,1-Trichloroethane	0.50	ND
1,2-Dibromoethane (EDB)	0.50	ND	1,1,2-Trichloroethane	0.50	ND
Dibromomethane	0.50	ND	Trichloroethene	0.50	ND
1,2-Dichlorobenzene	0.50	ND	Trichlorofluoromethane	0.50	ND
1,3-Dichlorobenzene	0.50	ND	1,2,3-Trichloropropane	0.50	ND
1,4-Dichlorobenzene	0.50	ND	1,2,4-Trimethylbenzene	0.50	ND
Dichlorodifluoromethane	0.50	ND	1,3,5-Trimethylbenzene	0.50	ND
1,1-Dichloroethane	0.50	4.8	Vinyl Chloride	0.50	ND
1,2-Dichloroethane (1,2-DCA)	0.50	ND	Xylenes, total	0.50	ND
1,1-Dichloroethene	0.50	1.2	**Oxygenates**		
cis-1,2-Dichloroethene	0.50	3.1	tert-Butyl Alcohol (tBA)	20	ND
trans-1,2-Dichloroethene	0.50	1.0	Methyl tert-Butyl Ether (MTBE)	0.50	ND
1,2-Dichloropropane	0.50	ND	Di-Isopropyl Ether (DIPE)	0.50	ND
1,3-Dichloropropane	0.50	ND	Ethyl tert-Butyl Ether (EtBE)	0.50	ND
2,2-Dichloropropane	0.50	ND	tert-Amyl Methyl Ether (tAME)	0.50	ND

*Report Limit Multiplication Factor: 1

Surrogate Recoveries			
Dibromofluoromethane	99.5%	Toluene-d8	99.2%
1,2-Dichloroethane-d4	110%	p-Bromofluorobenzene	94.5%

Instrument ID: Varian 2100T & HP 5972 MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
(µg/L) = micrograms per liter or parts per billion (ppb)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

BSK Analytical Laboratories	Client Project ID: 2006081576	Sampled: 08-17-06
1414 Stanislaus Street	Reference Number: 9387	Received: 08-21-06
Fresno, CA 93706	Sample Description: Water	Extracted: 08-22-06
Attn: John Posten	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 08-22-06
	Lab Numbers: 9387-4W	Reported: 08-25-06
	Client Sample ID: MW-7 (757360)	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)	ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)
Benzene	0.50	ND	1,1-Dichloropropene	0.50	ND
Bromobenzene	0.50	ND	cis-1,3-Dichloropropene	0.50	ND
Bromochloromethane	0.50	ND	trans-1,3-Dichloropropene	0.50	ND
Bromodichloromethane	0.50	ND	Ethylbenzene	0.50	ND
Bromoform	0.50	ND	Hexachlorobutadiene	0.50	ND
Bromomethane	0.50	ND	Isopropylbenzene	0.50	ND
n-Butylbenzene	0.50	ND	p-Isopropyltoluene	0.50	ND
sec-Butylbenzene	0.50	ND	Methylene chloride	2.0	ND
tert-Butylbenzene	0.50	ND	Napthalene	1.0	ND
Carbon tetrachloride	0.50	ND	n-Propylbenzene	0.50	ND
Chlorobenzene	0.50	ND	Styrene	0.50	ND
Chlorodibromomethane	0.50	ND	1,1,1,2-Tetrachloroethane	0.50	ND
Chloroethane	0.50	ND	1,1,2,2,-Tetrachlorethane	0.50	ND
Chloroform	0.50	ND	Tetrachloroethene	0.50	ND
Chloromethane	0.50	ND	Toluene	0.50	ND
2-Chlorotoluene	0.50	ND	1,2,3-Trichlorobenzene	0.50	ND
4-Chlorotoluene	0.50	ND	1,2,4-Trichlorobenzene	0.50	ND
1,2-Dibromo-3-chloropropane	1.0	ND	1,1,1-Trichloroethane	0.50	ND
1,2-Dibromoethane (EDB)	0.50	ND	1,1,2-Trichloroethane	0.50	ND
Dibromomethane	0.50	ND	Trichloroethene	0.50	ND
1,2-Dichlorobenzene	0.50	ND	Trichlorofluoromethane	0.50	ND
1,3-Dichlorobenzene	0.50	ND	1,2,3-Trichloropropane	0.50	ND
1,4-Dichlorobenzene	0.50	ND	1,2,4-Trimethylbenzene	0.50	ND
Dichlorodifluoromethane	0.50	ND	1,3,5-Trimethylbenzene	0.50	ND
1,1-Dichloroethane	0.50	ND	Vinyl Chloride	0.50	ND
1,2-Dichloroethane (1,2-DCA)	0.50	ND	Xylenes, total	0.50	ND
1,1-Dichloroethene	0.50	ND	**Oxygenates**		
cis-1,2-Dichloroethene	0.50	ND	tert-Butyl Alcohol (tBA)	20	ND
trans-1,2-Dichloroethene	0.50	ND	Methyl tert-Butyl Ether (MTBE)	0.50	ND
1,2-Dichloropropane	0.50	ND	Di-Isopropyl Ether (DIPE)	0.50	ND
1,3-Dichloropropane	0.50	ND	Ethyl tert-Butyl Ether (EtBE)	0.50	ND
2,2-Dichloropropane	0.50	ND	tert-Amyl Methyl Ether (tAME)	0.50	ND

*Report Limit Multiplication Factor: 1

Surrogate Recoveries

Dibromofluoromethane	99.9%	Toluene-d8	102%
1,2-Dichloroethane-d4	95.9%	p-Bromofluorobenzene	90.4%

Instrument ID: Varian 2100T & HP 5972 MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
(µg/L) = micrograms per liter or parts per billion (ppb)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clay J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

BSK Analytical Laboratories	Client Project ID: 2006081576	Sampled: 08-18-06
1414 Stanislaus Street	Reference Number: 9387	Received: 08-21-06
Fresno, CA 93706	Sample Description: Water	Extracted: 08-22-06
Attn: John Posten	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 08-22-06
	Lab Numbers: 9387-5W	Reported: 08-25-06
	Client Sample ID: MW-2R (757362)	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)	ANALYTE	REPORTING LIMIT * (µg/L)	SAMPLE RESULT (µg/L)
Benzene	2.5	ND	1,1-Dichloropropene	2.5	ND
Bromobenzene	2.5	ND	cis-1,3-Dichloropropene	2.5	ND
Bromochloromethane	2.5	ND	trans-1,3-Dichloropropene	2.5	ND
Bromodichloromethane	2.5	ND	Ethylbenzene	2.5	ND
Bromoform	2.5	ND	Hexachlorobutadiene	2.5	ND
Bromomethane	2.5	ND	Isopropylbenzene	2.5	ND
n-Butylbenzene	2.5	ND	p-Isopropyltoluene	2.5	ND
sec-Butylbenzene	2.5	ND	Methylene chloride	10	ND
tert-Butylbenzene	2.5	ND	Napthalene	5.0	ND
Carbon tetrachloride	2.5	ND	n-Propylbenzene	2.5	ND
Chlorobenzene	2.5	ND	Styrene	2.5	ND
Chlorodibromomethane	2.5	ND	1,1,1,2-Tetrachloroethane	2.5	ND
Chloroethane	25	390	1,1,2,2,-Tetrachlorethane	2.5	ND
Chloroform	2.5	ND	Tetrachloroethene	2.5	ND
Chloromethane	2.5	ND	Toluene	2.5	ND
2-Chlorotoluene	2.5	ND	1,2,3-Trichlorobenzene	2.5	ND
4-Chlorotoluene	2.5	ND	1,2,4-Trichlorobenzene	2.5	ND
1,2-Dibromo-3-chloropropane	5.0	ND	1,1,1-Trichloroethane	2.5	ND
1,2-Dibromoethane (EDB)	2.5	ND	1,1,2-Trichloroethane	2.5	ND
Dibromomethane	2.5	ND	Trichloroethene	2.5	ND
1,2-Dichlorobenzene	2.5	ND	Trichlorofluoromethane	2.5	ND
1,3-Dichlorobenzene	2.5	ND	1,2,3-Trichloropropane	2.5	ND
1,4-Dichlorobenzene	2.5	ND	1,2,4-Trimethylbenzene	2.5	ND
Dichlorodifluoromethane	2.5	ND	1,3,5-Trimethylbenzene	2.5	ND
1,1-Dichloroethane	2.5	ND	Vinyl Chloride	2.5	ND
1,2-Dichloroethane (1,2-DCA)	2.5	ND	Xylenes, total	2.5	ND
1,1-Dichloroethene	2.5	ND	**Oxygenates**		
cis-1,2-Dichloroethene	2.5	ND	tert-Butyl Alcohol (tBA)	20	ND
trans-1,2-Dichloroethene	2.5	ND	Methyl tert-Butyl Ether (MTBE)	0.50	ND
1,2-Dichloropropane	2.5	ND	Di-Isopropyl Ether (DIPE)	0.50	ND
1,3-Dichloropropane	2.5	ND	Ethyl tert-Butyl Ether (EtBE)	0.50	ND
2,2-Dichloropropane	2.5	ND	tert-Amyl Methyl Ether (tAME)	0.50	ND

*Report Limit adjusted for dilutions

Surrogate Recoveries			
Dibromofluoromethane	110%	Toluene-d8	91.2%
1,2-Dichloroethane-d4	103%	p-Bromofluorobenzene	86.1%

Instrument ID: Varian 2100T & HP 5972 MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
(µg/L) = micrograms per liter or parts per billion (ppb)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services | 2333 Shuttle Drive, Atwater, CA 95301 | Phone: (209) 384-2930 Fax: (209) 384-1507

BSK Analytical Laboratories	Client Project ID: 2006081576	Method: EPA 5030/8260
1414 Stanislaus Street	Reference Number: 9387	Instrument ID: Varian 2100T
Fresno, CA 93706	Matrix: Water	Prepared: 08-22-06
Attn: John Posten	Analyst: S. Foster	Analyzed: 08-22-06
		Reported: 08-24-06

QUALITY CONTROL DATA REPORT

SPIKE ID: VVMS-8226V

	Reporting Limit ug/L	BLANK Result ug/L	Spiking Level ug/L	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	10	ND	75.0	122%	57.6 -163
Methyl t-butyl ether (MTBE)	0.50	ND	2.50	86.4%	64.7 - 134
Diisopropyl ether (DIPE)	0.50	ND	2.50	94.8%	58.2 - 135
Ethyl t-Butyl ether (ETBE)	0.50	ND	2.50	97.2%	65.0 - 132
t-Amyl methyl ether (TAME)	0.50	ND	2.50	95.6%	61.0 - 139
1,2-Dichloroethane (1,2-DCA)	0.50	ND	2.50	87.2%	70.1 - 145
Ethylene dibromide (EDB)	0.50	ND	2.50	92.8%	55.0 - 156
1,1-Dichloroethene (1,1,DCE)	0.50	ND	2.50	104%	54.5 - 154
Benzene	0.50	ND	2.50	89.2%	77.1 - 132
Trichloroethene (TCE)	0.50	ND	2.50	84.4%	77.4 - 118
Toluene	0.50	ND	2.50	92.8%	70.5 - 130
Chlorobenzene	0.50	ND	2.50	100%	82.0 - 125
Surrogate:					
Dibromofluoromethane	10.0	112%	10.0	98.7%	66.7 - 132
1,2-Dichloroethane-d4	10.0	123%	10.0	83.7%	59.2 - 135
Toluene-d8	10.0	106%	10.0	99.3%	62.9 - 132
4-Bromofluorobenzene	10.0	114%	10.0	94.9%	69.7 - 131

	Spiking Level ug/L	MATRIX SPIKE %R	MATRIX SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	75.0	132%	128%	39.7 - 178	2.96%
Methyl t-butyl ether (MTBE)	2.50	104%	110%	55.3 - 144	4.68%
Diisopropyl ether (DIPE)	2.50	110%	112%	54.9 - 135	2.52%
Ethyl t-Butyl ether (ETBE)	2.50	82%	82.0%	54.0 - 136	0.489%
t-Amyl methyl ether (TAME)	2.50	88.4%	83.2%	39.6 - 131	5.92%
1,2-Dichloroethane (1,2-DCA)	2.50	100%	92.0%	73.9 - 147	7.81%
Ethylene dibromide (EDB)	2.50	108%	104%	63.3 - 141	3.39%
1,1-Dichloroethene (1,1,DCE)	2.50	99.6%	92.4%	54.5 - 154	7.50%
Benzene	2.50	99.2%	102%	77.1 - 132	2.78%
Trichloroethene (TCE)	2.50	104%	98.8%	77.4 - 118	4.74%
Toluene	2.50	105%	104%	70.5 - 130	1.53%
Chlorobenzene	2.50	104%	101%	82.0 - 125	2.73%
Surrogate:					
Dibromofluoromethane	10.0	71.2%	72.5%	66.7 - 132	1.81%
1,2-Dichloroethane-d4	10.0	103%	96.1%	59.2 - 135	6.54%
Toluene-d8	10.0	111%	113%	62.9 - 132	1.61%
4-Bromofluorobenzene	10.0	105%	96.7%	69.7 - 131	8.42%

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

BSK Analytical Laboratories

Sub-contracting Chain of Custody

Print Date : 08/21/2006

Sub-Contracted to:

Castle Analytical
2333 Shuttle Drive
Atwater, CA 95301
Attention: Jim or Clari

Report and Invoice to:

BSK Analytical Laboratories
Attention: John Posten
1414 Stanislaus St.
Fresno, CA 93706
(559) 497-2888

BSK Project # 2006081576

Turnaround (Days): 2 5 10 (Other) 3 day
State Forms: Yes (No)
QC Deliverables: (Std) II III IV

Sample ID	Matrix	Sample Description	Tests Requested	Method	
757356	Liquid	MW-6	EPA 8260 (External) (incl. oxygenates & LS)	EPA 8260	Bottle Sent: 2 x 40 mL / HCl
9387-1W					Sample Date/Time: 08/17/2006 @ 1140
					Sampled by: Don Griffith
					Employed by: BSK and Associates - Sacramen
757358	Liquid	MW-8	EPA 8260 (External)	EPA 8260	Bottle Sent: "
9387-2W					Sample Date/Time: 08/17/2006 @ 1304
					Sampled by: Don Griffith
					Employed by: BSK and Associates - Sacramen
757359	Liquid	MW-5	EPA 8260 (External)	EPA 8260	Bottle Sent: "
9387-3W					Sample Date/Time: 08/17/2006 @ 1422
					Sampled by: Don Griffith
					Employed by: BSK and Associates - Sacramen
757360	Liquid	MW-7	EPA 8260 (External)	EPA 8260	Bottle Sent: "
9387-4W					Sample Date/Time: 08/17/2006 @ 1452
					Sampled by: Don Griffith
					Employed by: BSK and Associates - Sacramen
757362	Liquid	MW-2R	EPA 8260 (External)	EPA 8260	Bottle Sent: "
9387-5W					Sample Date/Time: 08/18/2006 @ 0822
					Sampled by: Don Griffith
					Employed by: BSK and Associates - Sacramen

	Name	Signature	Company	Date / Time
1. Relinquished by:			BSK	08-21-06 1133/MM
1. Received by:			Castle	08-21-06 1540
2. Relinquished by:				
2. Received by:				

BSK ANALYTICAL LABORATORIES

BSK Submission Number: 2006081597

09/11/2006

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

Dear Martin Cline,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Please find enclosed the following sections for your complete laboratory report, each uniquely paginated:

CASE NARRATIVE: An overview of the work performed.
CERTIFICATE OF ANALYSIS: Analytical results.
QUALITY CONTROL (QC) SUMMARY: QC supporting the results presented herein.
REPORT OF SAMPLE INTEGRITY
CHAIN OF CUSTODY FORM

Certification: I certify that this data package is in compliance with NELAC Standards for applicable analyses under NELAP Certificate #04227CA, and is in compliance with ELAP Standards for applicable certified analyses under ELAP Certificate #1180, except for the conditions listed.

If additional clarification of any information is required, please contact your Client Services Representative, John Posten, at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

John Posten
Client Services Representative

Cynthia Hamilton
Quality Assurance Specialist

40th Anniversary 1966 - 2006

Case Narrative

BSK Submission Number: 2006081597

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

RUN	ORDER	TEST	ANALYTE	COMMENT
118920	763992	EPA 6020	Silver (Ag)	LCS recovery was out of the acceptance range, however the LCSD recovery was within the acceptance range, therefore the data was reported.
118920	763995	EPA 6020	Antimony (Sb)	MSD recovery was affected by the matrix.
118920	763994	EPA 6020	Antimony (Sb)	MS recovery was affected by the matrix.
118921	764000	EPA 6020	Antimony (Sb)	MS and MSD recoveries were affected by the matrix.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT
757587	EPA 8260B/5030	Pentachloroethane	Sample analyzed outside holding time.
757588	EPA 8260B/5030	Styrene	Sample analyzed outside holding time.
757589	EPA 8260B/5030	Styrene	Sample analyzed outside holding time.
757590	EPA 8260B/5030	Nitrobenzene	Sample analyzed outside holding time.
757593	EPA 8260B/5030	p-Isopropyltoluene	Sample analyzed outside holding time.
757594	EPA 8260B/5030	sec-Butylbenzene	Sample analyzed outside holding time.
757595	EPA 8260B/5030	tert-Butylbenzene	Sample analyzed outside holding time.

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757585

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-2
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1105
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	4.2	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	96	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	25	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	7.1	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	49	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	19	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	26	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	29	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	64	mg/Kg	5	1	5	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757586

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-5
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1108
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	4.8	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	250	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	41	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	12	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	31	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	8.8	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	48	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	42	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	53	mg/Kg	5	1	5	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757587

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1112
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06	
Arsenic (As)	EPA 6020	4.3	mg/Kg	1	1	1	09/05/06	09/06/06	
Barium (Ba)	EPA 6020	100	mg/Kg	5	1	5	09/05/06	09/06/06	
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06	
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06	
Chromium - Total (Cr)	EPA 6020	48	mg/Kg	5	1	5	09/05/06	09/06/06	
Cobalt (Co)	EPA 6020	9.9	mg/Kg	5	1	5	09/05/06	09/06/06	
Copper (Cu)	EPA 6020	36	mg/Kg	5	1	5	09/05/06	09/06/06	
Lead (Pb)	EPA 6020	8.7	mg/Kg	5	1	5	09/05/06	09/06/06	
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06	
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06	
Nickel (Ni)	EPA 6020	49	mg/Kg	5	1	5	09/05/06	09/06/06	
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06	
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06	
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06	
Vanadium (V)	EPA 6020	49	mg/Kg	1	1	1	09/05/06	09/06/06	
Zinc (Zn)	EPA 6020	61	mg/Kg	5	1	5	09/05/06	09/06/06	

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/06/06	09/06/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
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Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597

BSK Sample ID #: 757587

Project ID: E06055045
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1112
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

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mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
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%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757587

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-8
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1112
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H

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mg/Kg: Milligrams/Kilogram (ppm)
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PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

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S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

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BSK ANALYTICAL LABORATORIES

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NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757587

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-5-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1112
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroflouromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

Surrogate

Toluene-d8	EPA 8260B	99	% Rec		1	N/A	09/06/06	09/06/06	
Bromofluorobenzene	EPA 8260B/5030	95	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H
Toluene-d8	EPA 8260B/5030	99	% Rec		1	N/A	09/01/06	09/01/06	H

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Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757588

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-10
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1115
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/06/06	09/06/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H

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BSK Submission #: 2006081597
BSK Sample ID #: 757588

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-10
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1115
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757588

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-10
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1115
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroflouromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

Surrogate

Toluene-d8	EPA 8260B	100	% Rec		1	N/A	09/06/06	09/06/06	
Bromofluorobenzene	EPA 8260B/5030	93	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
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%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
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ND: None Detected at DLR
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BSK Submission #: 2006081597
BSK Sample ID #: 757588

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-10
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1115
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Toluene-d8	EPA 8260B/5030	99	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
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BSK Submission #: 2006081597
BSK Sample ID #: 757589

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-5-15
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1118
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/06/06	09/06/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
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Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757589

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-15
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1118
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
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BSK Submission #: 2006081597

BSK Sample ID #: 757589

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-5-15
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1118
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroflouromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

Surrogate

Toluene-d8	EPA 8260B	100	% Rec		1	N/A	09/06/06	09/06/06	
Bromofluorobenzene	EPA 8260B/5030	92	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H

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Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-5-15
Sample Comments:

Date Sampled: 08/12/2006
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Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Toluene-d8	EPA 8260B/5030	99	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597

BSK Sample ID #: 757590

Project ID: E0605504S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Solid

Sample Description: MW-5-20

Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1124
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/06/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/06/06	09/06/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
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PQL: Practical Quantitation Limit
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ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
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S: Suspect result. See Case Narrative for comments.
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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757590

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-20
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1124
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

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S: Suspect result. See Case Narrative for comments.
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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597

BSK Sample ID #: 757590

Project ID: E0605504S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Solid

Sample Description: MW-5-20

Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1124
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroflouromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

Surrogate

Toluene-d8	EPA 8260B	100	% Rec		1	N/A	09/06/06	09/06/06	
Bromofluorobenzene	EPA 8260B/5030	91	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757590
Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-5-20
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1124
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Toluene-d8	EPA 8260B/5030	98	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
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Martin Cline
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3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757591

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-8-2
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1300
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	4.7	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	230	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	49	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	16	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	40	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	51	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	0.88	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	64	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	50	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	61	mg/Kg	5	1	5	09/05/06	09/06/06

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ELAP Certificate #1180

Martin Cline
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3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757592

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-5
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1302
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	8.1	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	280	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	46	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	13	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	30	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	23	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	50	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	45	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	60	mg/Kg	5	1	5	09/05/06	09/06/06

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DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757593

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-8-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1308
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06	
Arsenic (As)	EPA 6020	6.2	mg/Kg	1	1	1	09/05/06	09/06/06	
Barium (Ba)	EPA 6020	310	mg/Kg	5	1	5	09/05/06	09/06/06	
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06	
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06	
Chromium - Total (Cr)	EPA 6020	45	mg/Kg	5	1	5	09/05/06	09/06/06	
Cobalt (Co)	EPA 6020	23	mg/Kg	5	1	5	09/05/06	09/06/06	
Copper (Cu)	EPA 6020	32	mg/Kg	5	1	5	09/05/06	09/06/06	
Lead (Pb)	EPA 6020	10	mg/Kg	5	1	5	09/05/06	09/06/06	
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06	
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06	
Nickel (Ni)	EPA 6020	61	mg/Kg	5	1	5	09/05/06	09/06/06	
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06	
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06	
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06	
Vanadium (V)	EPA 6020	48	mg/Kg	1	1	1	09/05/06	09/06/06	
Zinc (Zn)	EPA 6020	57	mg/Kg	5	1	5	09/05/06	09/06/06	

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/06/06	09/07/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
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3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757593

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-8
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1308
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5	09/01/06	09/01/06	H

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Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597

BSK Sample ID #: 757593

Report Issue Date: 09/11/2006

Project ID: E0605504S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Solid

Sample Description: MW-8-8

Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1308
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H

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ELAP Certificate #1180

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Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757593

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-8
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1308
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichlorofluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Surrogate									
Toluene-d8	EPA 8260B	98	% Rec		1	N/A	09/06/06	09/07/06	
Bromofluorobenzene	EPA 8260B/5030	100	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H
Toluene-d8	EPA 8260B/5030	98	% Rec		1	N/A	09/01/06	09/01/06	H

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BSK Submission #: 2006081597
BSK Sample ID #: 757594

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-15
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1329
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/06/06	09/07/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/06/06	09/07/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	190	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	65	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	140	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757594

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-15
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1329
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	7.1	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757594

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-8-15
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1329
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichlorofluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

Surrogate

Toluene-d8	EPA 8260B	96	% Rec		1	N/A	09/06/06	09/07/06	
Bromofluorobenzene	EPA 8260B/5030	96	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H

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mg/Kg: Milligrams/Kilogram (ppm)
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S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

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Certificate of Analysis

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ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597

BSK Sample ID #: 757594

Report Issue Date: 09/11/2006

Project ID: E0605504S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Solid

Sample Description: MW-8-15

Sample Comments:

Date Sampled: 08/12/2006

Time Sampled: 1329

Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Toluene-d8	EPA 8260B/5030	97	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

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BSK ANALYTICAL LABORATORIES

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ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757595

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-20
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1336
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Di-isopropyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/07/06	09/07/06	
Ethyl t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/07/06	09/07/06	
Methyl-t-Butyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/07/06	09/07/06	
t-Amyl Methyl Ether	EPA 8260B	ND	µg/Kg	5.0	1	5.0	09/07/06	09/07/06	
tert-Butyl Alcohol	EPA 8260B	ND	µg/Kg	50	1	50	09/07/06	09/07/06	
1,1,1,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,1-Trichloroethane	EPA 8260B/5030	200	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2,2-Tetrachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1,2-Trichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloro-2-propanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
1,1-Dichloroethane	EPA 8260B/5030	86	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloroethene	EPA 8260B/5030	160	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,1-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,3-Trichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2,4-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dibromoethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3,5-Trimethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,3-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1,4-Dichlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
1-Chlorobutane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2,2-Dichloropropane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Butanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
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ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757595

Report Issue Date: 09/11/2006

Project ID: E06055045
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-8-20
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1336
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
2-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
2-Hexanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
3-Chloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
4-Chlorotoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5	09/01/06	09/01/06	H
4-Methyl-2-pentanone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Acetone	EPA 8260B/5030	ND	µg/Kg	50	1	50	09/01/06	09/01/06	H
Benzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromodichloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromoform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Bromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbon Disulfide	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Carbontetrachloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chlorobenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroethane	EPA 8260B/5030	12	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloroform	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Chloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
cis-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromochloromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dibromomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Dichlorodifluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Diethyl ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Ethylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Hexachlorobutadiene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Hexachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Iodomethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
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E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757595

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-20
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1336
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Isopropylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
m,p-Xylenes	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Methylacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methylene Chloride	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
Methylmethacrylate	EPA 8260B/5030	ND	µg/Kg	10	1	10	09/01/06	09/01/06	H
Methyl-t-Butyl Ether	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Naphthalene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
n-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Nitrobenzene	EPA 8260B/5030	ND	µg/Kg	25	1	25	09/01/06	09/01/06	H
n-Propylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
o-Xylene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Pentachloroethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
p-Isopropyltoluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
sec-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Styrene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
tert-Butylbenzene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Tetrachloroethene (PCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Toluene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Total Xylene Isomers	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,2-Dichloroethene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
trans-1,3-Dichloropropene	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichloroethene (TCE)	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Trichlorofluoromethane	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H
Vinyl Chloride	EPA 8260B/5030	ND	µg/Kg	5.0	1	5.0	09/01/06	09/01/06	H

Surrogate

Toluene-d8	EPA 8260B	100	% Rec		1	N/A	09/07/06	09/07/06	
Bromofluorobenzene	EPA 8260B/5030	92	% Rec		1	N/A	09/01/06	09/01/06	H
Dibromofluoromethane	EPA 8260B/5030	110	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757595

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:

Sample Type: Solid
Sample Description: MW-8-20
Sample Comments:

Date Sampled: 08/12/2006
Time Sampled: 1336
Date Received: 08/21/2006

Organics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date	
Toluene-d8	EPA 8260B/5030	98	% Rec		1	N/A	09/01/06	09/01/06	H

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597

BSK Sample ID #: 757596

Project ID: E0605504S

Project Desc: AB and I Foundry

Submission Comments:

Sample Type: Solid

Sample Description: MW-7-2

Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1526
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	**ND**	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	**99**	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	**3200**	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	**2.7**	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	**110**	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	**8.6**	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	**220**	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	**190**	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	**1.5**	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	**ND**	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	**46**	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	**9.6**	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	**ND**	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	**ND**	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	**12**	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	**540**	mg/Kg	5	1	5	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

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ELAP Certificate #1180

Martin Cline
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3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757597

Project ID: E06055048 Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-7-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 1534
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	**ND**	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	**5.1**	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	**270**	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	**45**	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	**7.6**	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	**120**	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	**330**	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	**ND**	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	**ND**	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	**40**	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	**ND**	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	**ND**	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	**44**	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	**350**	mg/Kg	5	1	0	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757652

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-6-2.5
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 0910
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	6.6	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	350	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	42	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	9.1	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	27	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	220	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	63	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	32	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	47	mg/Kg	5	1	5	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757650

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-6-5
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 0915
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	**ND**	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	**3.7**	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	**220**	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	**40**	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	**12**	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	**34**	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	**8.2**	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	**ND**	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	**ND**	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	**54**	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	**ND**	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	**ND**	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	**ND**	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	**42**	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	**59**	mg/Kg	5	1	5	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

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BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006081597
BSK Sample ID #: 757649

Project ID: E0605504S
Project Desc: AB and I Foundry
Submission Comments:
Sample Type: Solid
Sample Description: MW-6-8
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/12/2006
Time Sampled: 0918
Date Received: 08/21/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date	Analysis Date
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/05/06	09/06/06
Arsenic (As)	EPA 6020	8.1	mg/Kg	1	1	1	09/05/06	09/06/06
Barium (Ba)	EPA 6020	240	mg/Kg	5	1	5	09/05/06	09/06/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Chromium - Total (Cr)	EPA 6020	40	mg/Kg	5	1	5	09/05/06	09/06/06
Cobalt (Co)	EPA 6020	33	mg/Kg	5	1	5	09/05/06	09/06/06
Copper (Cu)	EPA 6020	38	mg/Kg	5	1	5	09/05/06	09/06/06
Lead (Pb)	EPA 6020	18	mg/Kg	5	1	5	09/05/06	09/06/06
Mercury (Hg)	EPA 6020	ND	mg/Kg	0.1	1	0.1	09/05/06	09/06/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/05/06	09/06/06
Nickel (Ni)	EPA 6020	68	mg/Kg	5	1	5	09/05/06	09/06/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/05/06	09/06/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/05/06	09/06/06
Vanadium (V)	EPA 6020	52	mg/Kg	1	1	1	09/05/06	09/06/06
Zinc (Zn)	EPA 6020	58	mg/Kg	5	1	5	09/05/06	09/06/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

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BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E06055048**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118756

Analyst Initials: **CHERYLC** Method Number: **8260_SS**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
1,1-Dichloroethene	LCS	N/A	44	µg/Kg	88		50.0	ND	123.5	63.5	09/01/06	*Acceptable*
Benzene	LCS	N/A	48	µg/Kg	96		50.0	ND	120	80	09/01/06	*Acceptable*
Chlorobenzene	LCS	N/A	52	µg/Kg	104		50.0	ND	120	80	09/01/06	*Acceptable*
Toluene	LCS	N/A	47	µg/Kg	94		50.0	ND	128	68	09/01/06	*Acceptable*
Trichloroethene (TCE)	LCS	N/A	50	µg/Kg	100		50.0	ND	120	70	09/01/06	*Acceptable*
1,1-Dichloroethene	LCSD	N/A	44	µg/Kg	87	0.91	50.0	ND	123.5	63.5	09/01/06	*Acceptable*
Benzene	LCSD	N/A	49	µg/Kg	97	0.62	50.0	ND	120	80	09/01/06	*Acceptable*
Chlorobenzene	LCSD	N/A	54	µg/Kg	107	3.2	50.0	ND	120	80	09/01/06	*Acceptable*
Toluene	LCSD	N/A	50	µg/Kg	99	4.8	50.0	ND	128	68	09/01/06	*Acceptable*
Trichloroethene (TCE)	LCSD	N/A	51	µg/Kg	101	1.3	50.0	ND	120	70	09/01/06	*Acceptable*
1,1-Dichloroethene	MS	757587	44	µg/Kg	88		50.0	ND	124	64	09/01/06	*Acceptable*
Benzene	MS	757587	48	µg/Kg	96		50.0	ND	130	80	09/01/06	*Acceptable*
Chlorobenzene	MS	757587	52	µg/Kg	104		50.0	ND	120	80	09/01/06	*Acceptable*
Toluene	MS	757587	49	µg/Kg	97		50.0	ND	140	60	09/01/06	*Acceptable*
Trichloroethene (TCE)	MS	757587	50	µg/Kg	99		50.0	ND	120	80	09/01/06	*Acceptable*
1,1-Dichloroethene	MSD	757587	44	µg/Kg	88	0.45	50.0	ND	124	64	09/01/06	*Acceptable*
Benzene	MSD	757587	48	µg/Kg	95	0.84	50.0	ND	130	80	09/01/06	*Acceptable*
Chlorobenzene	MSD	757587	53	µg/Kg	105	0.77	50.0	ND	120	80	09/01/06	*Acceptable*
Toluene	MSD	757587	50	µg/Kg	99	1.7	50.0	ND	140	60	09/01/06	*Acceptable*
Trichloroethene (TCE)	MSD	757587	50	µg/Kg	99	0.61	50.0	ND	120	80	09/01/06	*Acceptable*
1,1,1,2-Tetrachloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,1,1-Trichloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,1,2,2-Tetrachloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,1,2-Trichloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,1-Dichloro-2-propanone	RBLK	N/A	ND	µg/Kg	< 50				50	N/A	09/01/06	*Acceptable*
1,1-Dichloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,1-Dichloroethene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,1-Dichloropropene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2,3-Trichlorobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2,3-Trichloropropane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2,4-Trichlorobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2,4-Trimethylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2-Dibromo-3-chloropropane (DBCP)	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2-Dibromoethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2-Dichlorobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,2-Dichloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
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LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

NELAP Certificate #04227CA
ELAP Certificate #1180

Project Desc : **AB and I Foundry**

BSK StarLims Run #: 118756
Analyst Initials: **CHERYLC**
Method Number: **8260_SS**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
1,2-Dichloropropane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,3,5-Trimethylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,3-Dichlorobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,3-Dichloropropane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1,4-Dichlorobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
1-Chlorobutane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
2,2-Dichloropropane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
2-Butanone	RBLK	N/A	ND	µg/Kg	< 50				50	N/A	09/01/06	*Acceptable*
2-Chlorotoluene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
2-Hexanone	RBLK	N/A	ND	µg/Kg	< 50				50	N/A	09/01/06	*Acceptable*
3-Chloropropene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
4-Chlorotoluene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
4-Methyl-2-pentanone	RBLK	N/A	ND	µg/Kg	< 50				50	N/A	09/01/06	*Acceptable*
Acetone	RBLK	N/A	ND	µg/Kg	< 50				50	N/A	09/01/06	*Acceptable*
Benzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Bromobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Bromochloromethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Bromodichloromethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Bromoform	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Bromomethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Carbon Disulfide	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Carbontetrachloride	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Chlorobenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Chloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Chloroform	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Chloromethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
cis-1,2-Dichloroethene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
cis-1,3-Dichloropropene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Dibromochloromethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Dibromomethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Dichlorodifluoromethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Diethyl ether	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Ethylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Ethylmethacrylate	RBLK	N/A	ND	µg/Kg	< 10				10	N/A	09/01/06	*Acceptable*
Hexachlorobutadiene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Hexachloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Iodomethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*

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Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118756

Analyst Initials: **CHERYLC** Method Number: **8260_SS**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Isopropylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
m,p-Xylenes	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Methyl-t-Butyl Ether	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Methylacrylate	RBLK	N/A	ND	µg/Kg	< 10				10	N/A	09/01/06	*Acceptable*
Methylene Chloride	RBLK	N/A	ND	µg/Kg	< 25				25	N/A	09/01/06	*Acceptable*
Methylmethacrylate	RBLK	N/A	ND	µg/Kg	< 10				10	N/A	09/01/06	*Acceptable*
n-Butylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
n-Propylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Naphthalene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Nitrobenzene	RBLK	N/A	ND	µg/Kg	< 25				25	N/A	09/01/06	*Acceptable*
o-Xylene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
p-Isopropyltoluene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Pentachloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
sec-Butylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Styrene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
tert-Butylbenzene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Tetrachloroethene (PCE)	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Toluene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Total Xylene Isomers	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
trans-1,2-Dichloroethene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
trans-1,3-Dichloropropene	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Trichloroethene (TCE)	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Trichloroflouromethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*
Vinyl Chloride	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/01/06	*Acceptable*

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL		Date	
Bromofluorobenzene	LCS	N/A	91	% Rec	89	125	75	09/01/06	*Acceptable*
Dibromofluoromethane	LCS	N/A	110	% Rec	100	130	80	09/01/06	*Acceptable*
Toluene-d8	LCS	N/A	100	% Rec	97	120	70	09/01/06	*Acceptable*
Bromofluorobenzene	LCSD	N/A	91	% Rec	89	125	75	09/01/06	*Acceptable*
Dibromofluoromethane	LCSD	N/A	110	% Rec	100	130	80	09/01/06	*Acceptable*
Toluene-d8	LCSD	N/A	98	% Rec	97	120	70	09/01/06	*Acceptable*
Bromofluorobenzene	MS	757587	95	% Rec	95	140	80	09/01/06	*Acceptable*
Dibromofluoromethane	MS	757587	110	% Rec	110	140	80	09/01/06	*Acceptable*

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Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118756
Analyst Initials: **CHERYLC**
Method Number: **8260_SS**

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL	Date	
Toluene-d8	MS	757587	99	% Rec	99	120	70	09/01/06	*Acceptable*
Bromofluorobenzene	MSD	757587	97	% Rec	95	140	80	09/01/06	*Acceptable*
Dibromofluoromethane	MSD	757587	110	% Rec	110	140	80	09/01/06	*Acceptable*
Toluene-d8	MSD	757587	99	% Rec	99	120	70	09/01/06	*Acceptable*
Bromofluorobenzene	RBLK	N/A	89	% Rec		N/A	N/A	09/01/06	*Acceptable*
Dibromofluoromethane	RBLK	N/A	100	% Rec		N/A	N/A	09/01/06	*Acceptable*
Toluene-d8	RBLK	N/A	97	% Rec		N/A	N/A	09/01/06	*Acceptable*

StarLims Run 118756 includes the following BSK Sample ID# :

757587 757588 757589 757590 757593 757594 757595 762823 762824 762825 762826 762827

BSK StarLims Run #: 118920
Analyst Initials: **NORMANE**
Method Number: **SB_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Antimony (Sb)	LCS	N/A	23	mg/Kg	92		25	ND	125	75	09/06/06	*Acceptable*
Arsenic (As)	LCS	N/A	19	mg/Kg	94		20	ND	125	75	09/06/06	*Acceptable*
Barium (Ba)	LCS	N/A	93	mg/Kg	92		100	ND	125	75	09/06/06	*Acceptable*
Beryllium (Be)	LCS	N/A	24	mg/Kg	98		25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	LCS	N/A	23	mg/Kg	91		25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	LCS	N/A	96	mg/Kg	95		100	ND	125	75	09/06/06	*Acceptable*
Cobalt (Co)	LCS	N/A	94	mg/Kg	93		100	ND	125	75	09/06/06	*Acceptable*
Copper (Cu)	LCS	N/A	95	mg/Kg	95		100	ND	125	75	09/06/06	*Acceptable*
Lead (Pb)	LCS	N/A	190	mg/Kg	93		200	ND	125	75	09/06/06	*Acceptable*
Mercury (Hg)	LCS	N/A	2.0	mg/Kg	96		2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	LCS	N/A	94	mg/Kg	94		100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	LCS	N/A	93	mg/Kg	93		100	ND	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	LCS	N/A	18	mg/Kg	90		20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	LCS	N/A	35	mg/Kg	70		50	ND	125	75	09/06/06	*OOS-Low*
Thallium (Tl)	LCS	N/A	49	mg/Kg	97		50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	LCS	N/A	99	mg/Kg	98		100	ND	125	75	09/06/06	*Acceptable*
Zinc (Zn)	LCS	N/A	98	mg/Kg	96		100	ND	125	75	09/06/06	*Acceptable*
Antimony (Sb)	LCSD	N/A	26	mg/Kg	103	11	25	ND	125	75	09/06/06	*Acceptable*
Arsenic (As)	LCSD	N/A	20	mg/Kg	100	6.8	20	ND	125	75	09/06/06	*Acceptable*
Barium (Ba)	LCSD	N/A	98	mg/Kg	98	5.9	100	ND	125	75	09/06/06	*Acceptable*
Beryllium (Be)	LCSD	N/A	26	mg/Kg	106	7.7	25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	LCSD	N/A	25	mg/Kg	101	11	25	ND	125	75	09/06/06	*Acceptable*

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RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E06055045**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118920

Analyst Initials: **NORMANE**

Method Number: **CR_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Chromium - Total (Cr)	LCSD	N/A	100	mg/Kg	101	6.1	100	ND	125	75	09/06/06	*Acceptable*
Cobalt (Co)	LCSD	N/A	100	mg/Kg	100	6.3	100	ND	125	75	09/06/06	*Acceptable*
Copper (Cu)	LCSD	N/A	100	mg/Kg	103	8.4	100	ND	125	75	09/06/06	*Acceptable*
Lead (Pb)	LCSD	N/A	200	mg/Kg	99	6	200	ND	125	75	09/06/06	*Acceptable*
Mercury (Hg)	LCSD	N/A	2.0	mg/Kg	102	5.2	2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	LCSD	N/A	100	mg/Kg	101	7.4	100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	LCSD	N/A	100	mg/Kg	100	7.1	100	ND	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	LCSD	N/A	20	mg/Kg	98	9.1	20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	LCSD	N/A	40	mg/Kg	80	12	50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	LCSD	N/A	52	mg/Kg	104	7	50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	LCSD	N/A	100	mg/Kg	104	5.6	100	ND	125	75	09/06/06	*Acceptable*
Zinc (Zn)	LCSD	N/A	100	mg/Kg	104	7.8	100	ND	125	75	09/06/06	*Acceptable*
Antimony (Sb)	MS	757585	12	mg/Kg	45		25	ND	125	75	09/06/06	*OOS-Low*
Arsenic (As)	MS	757585	25	mg/Kg	105		20	4.2	125	75	09/06/06	*Acceptable*
Barium (Ba)	MS	757585	190	mg/Kg	97		100	96	125	75	09/06/06	*Acceptable*
Beryllium (Be)	MS	757585	27	mg/Kg	107		25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	MS	757585	26	mg/Kg	102		25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	MS	757585	130	mg/Kg	101		100	25	125	75	09/06/06	*Acceptable*
Cobalt (Co)	MS	757585	110	mg/Kg	101		100	7.1	125	75	09/06/06	*Acceptable*
Copper (Cu)	MS	757585	120	mg/Kg	76		100	49	125	75	09/06/06	*Acceptable*
Lead (Pb)	MS	757585	200	mg/Kg	92		200	19	125	75	09/06/06	*Acceptable*
Mercury (Hg)	MS	757585	2.2	mg/Kg	104		2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	MS	757585	100	mg/Kg	104		100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	MS	757585	130	mg/Kg	101		100	26	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	MS	757585	20	mg/Kg	99		20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	MS	757585	40	mg/Kg	80		50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	MS	757585	51	mg/Kg	102		50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	MS	757585	130	mg/Kg	103		100	29	125	75	09/06/06	*Acceptable*
Zinc (Zn)	MS	757585	160	mg/Kg	99		100	64	125	75	09/06/06	*Acceptable*
Antimony (Sb)	MSD	757585	12	mg/Kg	47	4	25	ND	125	75	09/06/06	*OOS-Low*
Arsenic (As)	MSD	757585	25	mg/Kg	102	2	20	4.2	125	75	09/06/06	*Acceptable*
Barium (Ba)	MSD	757585	200	mg/Kg	101	3.3	100	96	125	75	09/06/06	*Acceptable*
Beryllium (Be)	MSD	757585	27	mg/Kg	108	1.3	25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	MSD	757585	27	mg/Kg	106	3.2	25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	MSD	757585	130	mg/Kg	100	0.49	100	25	125	75	09/06/06	*Acceptable*
Cobalt (Co)	MSD	757585	110	mg/Kg	101	0.031	100	7.1	125	75	09/06/06	*Acceptable*
Copper (Cu)	MSD	757585	170	mg/Kg	118	28	100	49	125	75	09/06/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118920
Analyst Initials: **NORMANE**
Method Number: **PB_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Lead (Pb)	MSD	757585	220	mg/Kg	99	6.4	200	19	125	75	09/06/06	*Acceptable*
Mercury (Hg)	MSD	757585	2.2	mg/Kg	104	0.11	2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	MSD	757585	100	mg/Kg	104	0.17	100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	MSD	757585	130	mg/Kg	102	0.11	100	26	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	MSD	757585	20	mg/Kg	100	0.95	20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	MSD	757585	43	mg/Kg	85	6.1	50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	MSD	757585	54	mg/Kg	106	4.3	50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	MSD	757585	130	mg/Kg	105	1.9	100	29	125	75	09/06/06	*Acceptable*
Zinc (Zn)	MSD	757585	170	mg/Kg	104	4.7	100	64	125	75	09/06/06	*Acceptable*
Antimony (Sb)	RBLK	N/A	ND	mg/Kg	< 10				10	N/A	09/06/06	*Acceptable*
Arsenic (As)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Barium (Ba)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Beryllium (Be)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Cadmium (Cd)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Chromium - Total (Cr)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Cobalt (Co)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Copper (Cu)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Lead (Pb)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Mercury (Hg)	RBLK	N/A	ND	mg/Kg	< 0.1				0.1	N/A	09/06/06	*Acceptable*
Molybdenum (Mo)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Nickel (Ni)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Selenium (Se) - Total	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Silver (Ag)	RBLK	N/A	ND	mg/Kg	< 2				2	N/A	09/06/06	*Acceptable*
Thallium (Tl)	RBLK	N/A	ND	mg/Kg	< 2				2	N/A	09/06/06	*Acceptable*
Vanadium (V)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Zinc (Zn)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*

Run	Test	Analyte	Comment
118920	AG_MS_35	Silver	LCS recovery was out of the acceptance range, however the LCSD recovery was within the acceptance range, therefore the data was reported.
118920	SB_MS_35	Antimony	MSD recovery was affected by the matrix.
118920	SB_MS_35	Antimony	MS recovery was affected by the matrix.

StarLims Run 118920 includes the following BSK Sample ID# :

757585 757586 757587 757591 757592 757593 757596 757597 757649 757650 763991 763992 763993 763994 763995

BSK StarLims Run #: 118921
Analyst Initials: **NORMANE**
Method Number: **SB_MS_35**

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/15/2006

BSK Submission : **2006090111**
Client : **BSK and Associates - Sacrament**
Date Submitted : **09/01/2006**
Project ID : **E06055045**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 119006

Analyst Initials: **NORMANE**

Method Number: **BE_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Beryllium (Be)	MS	762337	27	mg/Kg	107		25	ND	125	75	09/07/06	*Acceptable*
Cadmium (Cd)	MS	762337	26	mg/Kg	103		25	ND	125	75	09/07/06	*Acceptable*
Chromium - Total (Cr)	MS	762337	140	mg/Kg	105		100	37	125	75	09/07/06	*Acceptable*
Cobalt (Co)	MS	762337	110	mg/Kg	99		100	9.0	125	75	09/07/06	*Acceptable*
Copper (Cu)	MS	762337	120	mg/Kg	96		100	26	125	75	09/07/06	*Acceptable*
Lead (Pb)	MS	762337	490	mg/Kg	132		200	170	125	75	09/07/06	*OOS-High*
Mercury (Hg)	MS	762337	2.2	mg/Kg	103		2	0.13	125	75	09/07/06	*Acceptable*
Molybdenum (Mo)	MS	762337	97	mg/Kg	95		100	ND	125	75	09/07/06	*Acceptable*
Nickel (Ni)	MS	762337	140	mg/Kg	100		100	43	125	75	09/07/06	*Acceptable*
Selenium (Se) - Total	MS	762337	19	mg/Kg	91		20	ND	125	75	09/07/06	*Acceptable*
Silver (Ag)	MS	762337	45	mg/Kg	88		50	ND	125	75	09/07/06	*Acceptable*
Thallium (Tl)	MS	762337	54	mg/Kg	107		50	ND	125	75	09/07/06	*Acceptable*
Vanadium (V)	MS	762337	130	mg/Kg	103		100	29	125	75	09/07/06	*Acceptable*
Zinc (Zn)	MS	762337	270	mg/Kg	110		100	150	125	75	09/07/06	*Acceptable*
Antimony (Sb)	MSD	762337	ND	mg/Kg	37	N/A	25	ND	125	75	09/07/06	*OOS-Low*
Arsenic (As)	MSD	762337	23	mg/Kg	91	N/A	20	5.1	125	75	09/07/06	*Acceptable*
Barium (Ba)	MSD	762337	280	mg/Kg	89	N/A	100	210	125	75	09/07/06	*Acceptable*
Beryllium (Be)	MSD	762337	27	mg/Kg	107	N/A	25	ND	125	75	09/07/06	*Acceptable*
Cadmium (Cd)	MSD	762337	26	mg/Kg	101	N/A	25	ND	125	75	09/07/06	*Acceptable*
Chromium - Total (Cr)	MSD	762337	130	mg/Kg	93	N/A	100	37	125	75	09/07/06	*Acceptable*
Cobalt (Co)	MSD	762337	110	mg/Kg	98	N/A	100	9.0	125	75	09/07/06	*Acceptable*
Copper (Cu)	MSD	762337	130	mg/Kg	105	N/A	100	26	125	75	09/07/06	*Acceptable*
Lead (Pb)	MSD	762337	420	mg/Kg	113	N/A	200	170	125	75	09/07/06	*Acceptable*
Mercury (Hg)	MSD	762337	2.1	mg/Kg	96	N/A	2	0.13	125	75	09/07/06	*Acceptable*
Molybdenum (Mo)	MSD	762337	98	mg/Kg	96	N/A	100	ND	125	75	09/07/06	*Acceptable*
Nickel (Ni)	MSD	762337	140	mg/Kg	97	N/A	100	43	125	75	09/07/06	*Acceptable*
Selenium (Se) - Total	MSD	762337	19	mg/Kg	91	N/A	20	ND	125	75	09/07/06	*Acceptable*
Silver (Ag)	MSD	762337	44	mg/Kg	87	0.91	50	ND	125	75	09/07/06	*Acceptable*
Thallium (Tl)	MSD	762337	53	mg/Kg	106	N/A	50	ND	125	75	09/07/06	*Acceptable*
Vanadium (V)	MSD	762337	130	mg/Kg	100	N/A	100	29	125	75	09/07/06	*Acceptable*
Zinc (Zn)	MSD	762337	230	mg/Kg	93	N/A	100	150	125	75	09/07/06	*Acceptable*
Antimony (Sb)	RBLK	N/A	ND	mg/Kg	< 10				10	N/A	09/07/06	*Acceptable*
Arsenic (As)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/07/06	*Acceptable*
Barium (Ba)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*
Beryllium (Be)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/07/06	*Acceptable*
Cadmium (Cd)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/07/06	*Acceptable*
Chromium - Total (Cr)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

NELAP Certificate #04227CA
ELAP Certificate #1180

Project Desc : **AB and I Foundry**

BSK StarLims Run #: 118921

Analyst Initials: **NORMANE** Method Number: **SB_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Antimony (Sb)	LCS	N/A	26	mg/Kg	104		25	ND	125	75	09/06/06	*Acceptable*
Arsenic (As)	LCS	N/A	20	mg/Kg	101		20	ND	125	75	09/06/06	*Acceptable*
Barium (Ba)	LCS	N/A	100	mg/Kg	100		100	ND	125	75	09/06/06	*Acceptable*
Beryllium (Be)	LCS	N/A	27	mg/Kg	106		25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	LCS	N/A	26	mg/Kg	102		25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	LCS	N/A	100	mg/Kg	100		100	ND	125	75	09/06/06	*Acceptable*
Cobalt (Co)	LCS	N/A	100	mg/Kg	101		100	ND	125	75	09/06/06	*Acceptable*
Copper (Cu)	LCS	N/A	100	mg/Kg	104		100	ND	125	75	09/06/06	*Acceptable*
Lead (Pb)	LCS	N/A	200	mg/Kg	100		200	ND	125	75	09/06/06	*Acceptable*
Mercury (Hg)	LCS	N/A	2.1	mg/Kg	104		2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	LCS	N/A	100	mg/Kg	102		100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	LCS	N/A	100	mg/Kg	100		100	ND	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	LCS	N/A	20	mg/Kg	97		20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	LCS	N/A	41	mg/Kg	82		50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	LCS	N/A	52	mg/Kg	104		50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	LCS	N/A	100	mg/Kg	102		100	ND	125	75	09/06/06	*Acceptable*
Zinc (Zn)	LCS	N/A	100	mg/Kg	102		100	ND	125	75	09/06/06	*Acceptable*
Antimony (Sb)	LCSD	N/A	26	mg/Kg	104	0.24	25	ND	125	75	09/06/06	*Acceptable*
Arsenic (As)	LCSD	N/A	20	mg/Kg	102	1.3	20	ND	125	75	09/06/06	*Acceptable*
Barium (Ba)	LCSD	N/A	100	mg/Kg	100	0.47	100	ND	125	75	09/06/06	*Acceptable*
Beryllium (Be)	LCSD	N/A	27	mg/Kg	107	0.82	25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	LCSD	N/A	26	mg/Kg	102	9	25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	LCSD	N/A	100	mg/Kg	100	0.56	100	ND	125	75	09/06/06	*Acceptable*
Cobalt (Co)	LCSD	N/A	100	mg/Kg	102	0.96	100	ND	125	75	09/06/06	*Acceptable*
Copper (Cu)	LCSD	N/A	100	mg/Kg	103	1.4	100	ND	125	75	09/06/06	*Acceptable*
Lead (Pb)	LCSD	N/A	200	mg/Kg	99	0.28	200	ND	125	75	09/06/06	*Acceptable*
Mercury (Hg)	LCSD	N/A	2.1	mg/Kg	107	2.7	2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	LCSD	N/A	100	mg/Kg	101	0.81	100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	LCSD	N/A	100	mg/Kg	100	0.083	100	ND	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	LCSD	N/A	20	mg/Kg	101	4.4	20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	LCSD	N/A	42	mg/Kg	84	1.6	50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	LCSD	N/A	52	mg/Kg	104	0.19	50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	LCSD	N/A	100	mg/Kg	105	2.3	100	ND	125	75	09/06/06	*Acceptable*
Zinc (Zn)	LCSD	N/A	100	mg/Kg	102	0.41	100	ND	125	75	09/06/06	*Acceptable*
Antimony (Sb)	MS	757652	ND	mg/Kg	25		25	ND	125	75	09/06/06	*OOS-Low*
Arsenic (As)	MS	757652	27	mg/Kg	101		20	6.6	125	75	09/06/06	*Acceptable*
Barium (Ba)	MS	757652	400	mg/Kg	89		100	350	125	75	09/06/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118921

Analyst Initials: **NORMANE** Method Number: **BE_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Beryllium (Be)	MS	757652	28	mg/Kg	112		25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	MS	757652	25	mg/Kg	99		25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	MS	757652	160	mg/Kg	114		100	42	125	75	09/06/06	*Acceptable*
Cobalt (Co)	MS	757652	110	mg/Kg	104		100	9.1	125	75	09/06/06	*Acceptable*
Copper (Cu)	MS	757652	130	mg/Kg	103		100	27	125	75	09/06/06	*Acceptable*
Lead (Pb)	MS	757652	400	mg/Kg	94		200	220	125	75	09/06/06	*Acceptable*
Mercury (Hg)	MS	757652	2.1	mg/Kg	104		2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	MS	757652	93	mg/Kg	93		100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	MS	757652	170	mg/Kg	105		100	63	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	MS	757652	19	mg/Kg	97		20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	MS	757652	41	mg/Kg	81		50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	MS	757652	50	mg/Kg	100		50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	MS	757652	140	mg/Kg	112		100	32	125	75	09/06/06	*Acceptable*
Zinc (Zn)	MS	757652	150	mg/Kg	106		100	47	125	75	09/06/06	*Acceptable*
Antimony (Sb)	MSD	757652	ND	mg/Kg	23	10	25	ND	125	75	09/06/06	*OOS-Low*
Arsenic (As)	MSD	757652	28	mg/Kg	108	5.6	20	6.6	125	75	09/06/06	*Acceptable*
Barium (Ba)	MSD	757652	440	mg/Kg	99	10	100	350	125	75	09/06/06	*Acceptable*
Beryllium (Be)	MSD	757652	28	mg/Kg	108	2.8	25	ND	125	75	09/06/06	*Acceptable*
Cadmium (Cd)	MSD	757652	26	mg/Kg	102	2.6	25	ND	125	75	09/06/06	*Acceptable*
Chromium - Total (Cr)	MSD	757652	150	mg/Kg	106	5	100	42	125	75	09/06/06	*Acceptable*
Cobalt (Co)	MSD	757652	120	mg/Kg	109	4	100	9.1	125	75	09/06/06	*Acceptable*
Copper (Cu)	MSD	757652	130	mg/Kg	101	1.3	100	27	125	75	09/06/06	*Acceptable*
Lead (Pb)	MSD	757652	520	mg/Kg	121	24	200	220	125	75	09/06/06	*Acceptable*
Mercury (Hg)	MSD	757652	2.1	mg/Kg	104	0.068	2	ND	125	75	09/06/06	*Acceptable*
Molybdenum (Mo)	MSD	757652	92	mg/Kg	91	1.8	100	ND	125	75	09/06/06	*Acceptable*
Nickel (Ni)	MSD	757652	170	mg/Kg	106	1	100	63	125	75	09/06/06	*Acceptable*
Selenium (Se) - Total	MSD	757652	19	mg/Kg	93	3.2	20	ND	125	75	09/06/06	*Acceptable*
Silver (Ag)	MSD	757652	43	mg/Kg	85	4.4	50	ND	125	75	09/06/06	*Acceptable*
Thallium (Tl)	MSD	757652	51	mg/Kg	101	1	50	ND	125	75	09/06/06	*Acceptable*
Vanadium (V)	MSD	757652	140	mg/Kg	112	0.0081	100	32	125	75	09/06/06	*Acceptable*
Zinc (Zn)	MSD	757652	150	mg/Kg	106	0.29	100	47	125	75	09/06/06	*Acceptable*
Antimony (Sb)	RBLK	N/A	ND	mg/Kg	< 10				10	N/A	09/06/06	*Acceptable*
Arsenic (As)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Barium (Ba)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Beryllium (Be)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Cadmium (Cd)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Chromium - Total (Cr)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Foundry**

BSK StarLims Run #: 118921
Analyst Initials: **NORMANE**
Method Number: **CO_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Cobalt (Co)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Copper (Cu)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Lead (Pb)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Mercury (Hg)	RBLK	N/A	ND	mg/Kg	< 0.1				0.1	N/A	09/06/06	*Acceptable*
Molybdenum (Mo)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Nickel (Ni)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*
Selenium (Se) - Total	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Silver (Ag)	RBLK	N/A	ND	mg/Kg	< 2				2	N/A	09/06/06	*Acceptable*
Thallium (Tl)	RBLK	N/A	ND	mg/Kg	< 2				2	N/A	09/06/06	*Acceptable*
Vanadium (V)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/06/06	*Acceptable*
Zinc (Zn)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/06/06	*Acceptable*

Run	Test	Analyte	Comment
118921	SB_MS_35	Antimony	MS and MSD recoveries were affected by the matrix.

StarLims Run 118921 includes the following BSK Sample ID# :

757652 763996 763997 763998 763999 764000

BSK StarLims Run #: 118948
Analyst Initials: **CHERYLC**
Method Number: **8260OX_SS**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
1,2-Dibromoethane	LCS	N/A	58	µg/Kg	115		50.0	ND	135	80	09/06/06	*Acceptable*
1,2-Dichloroethane	LCS	N/A	57	µg/Kg	114		50.0	ND	140	80	09/06/06	*Acceptable*
Di-isopropyl Ether	LCS	N/A	60	µg/Kg	120		50.0	ND	140	80	09/06/06	*Acceptable*
Ethyl t-Butyl Ether	LCS	N/A	61	µg/Kg	121		50.0	ND	140	80	09/06/06	*Acceptable*
Methyl-t-Butyl Ether	LCS	N/A	65	µg/Kg	129		50.0	ND	150	85	09/06/06	*Acceptable*
t-Amyl Methyl Ether	LCS	N/A	62	µg/Kg	124		50.0	ND	150	85	09/06/06	*Acceptable*
tert-Butyl Alcohol	LCS	N/A	730	µg/Kg	145		500	ND	150	75	09/06/06	*Acceptable*
1,2-Dibromoethane	LCSD	N/A	57	µg/Kg	113	1	50.0	ND	135	80	09/06/06	*Acceptable*
1,2-Dichloroethane	LCSD	N/A	59	µg/Kg	117	2.2	50.0	ND	140	80	09/06/06	*Acceptable*
Di-isopropyl Ether	LCSD	N/A	60	µg/Kg	119	1	50.0	ND	140	80	09/06/06	*Acceptable*
Ethyl t-Butyl Ether	LCSD	N/A	61	µg/Kg	121	0.13	50.0	ND	140	80	09/06/06	*Acceptable*
Methyl-t-Butyl Ether	LCSD	N/A	63	µg/Kg	126	2.7	50.0	ND	150	85	09/06/06	*Acceptable*
t-Amyl Methyl Ether	LCSD	N/A	63	µg/Kg	126	1.8	50.0	ND	150	85	09/06/06	*Acceptable*
tert-Butyl Alcohol	LCSD	N/A	720	µg/Kg	143	1.2	500	ND	150	75	09/06/06	*Acceptable*
1,2-Dibromoethane	MS	757590	61	µg/Kg	121		50.0		150	85	09/06/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/11/2006

BSK Submission : **2006081597**
Client : **BSK and Associates - Sacrament**
Date Submitted : **08/21/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Foundry**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 118948

Analyst Initials: **CHERYLC** Method Number: **8260OX_SS**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
1,2-Dichloroethane	MS	757590	57	µg/Kg	113		50.0		145	85	09/06/06	*Acceptable*
Di-isopropyl Ether	MS	757590	56	µg/Kg	112		50.0	ND	150	80	09/06/06	*Acceptable*
Ethyl t-Butyl Ether	MS	757590	58	µg/Kg	115		50.0	ND	150	85	09/06/06	*Acceptable*
Methyl-t-Butyl Ether	MS	757590	64	µg/Kg	127		50.0	ND	150	85	09/06/06	*Acceptable*
t-Amyl Methyl Ether	MS	757590	60	µg/Kg	119		50.0	ND	150	85	09/06/06	*Acceptable*
tert-Butyl Alcohol	MS	757590	740	µg/Kg	147		500	ND	150	70	09/06/06	*Acceptable*
1,2-Dibromoethane	MSD	757590	60	µg/Kg	119	1.2	50.0		150	85	09/07/06	*Acceptable*
1,2-Dichloroethane	MSD	757590	60	µg/Kg	119	5.4	50.0		145	85	09/07/06	*Acceptable*
Di-isopropyl Ether	MSD	757590	58	µg/Kg	115	2.1	50.0	ND	150	80	09/07/06	*Acceptable*
Ethyl t-Butyl Ether	MSD	757590	58	µg/Kg	116	1.7	50.0	ND	150	85	09/07/06	*Acceptable*
Methyl-t-Butyl Ether	MSD	757590	62	µg/Kg	124	2.2	50.0	ND	150	85	09/07/06	*Acceptable*
t-Amyl Methyl Ether	MSD	757590	62	µg/Kg	123	3.7	50.0	ND	150	85	09/07/06	*Acceptable*
tert-Butyl Alcohol	MSD	757590	750	µg/Kg	150	1.9	500	ND	150	70	09/07/06	*Acceptable*
1,2-Dibromoethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/06/06	*Acceptable*
1,2-Dichloroethane	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/06/06	*Acceptable*
Di-isopropyl Ether	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/06/06	*Acceptable*
Ethyl t-Butyl Ether	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/06/06	*Acceptable*
Methyl-t-Butyl Ether	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/06/06	*Acceptable*
t-Amyl Methyl Ether	RBLK	N/A	ND	µg/Kg	< 5.0				5.0	N/A	09/06/06	*Acceptable*
tert-Butyl Alcohol	RBLK	N/A	ND	µg/Kg	< 50				50	N/A	09/06/06	*Acceptable*

Surrogate Results

Analyte	QC Type		Surr. Result			UCL	LCL	Date	
Toluene-d8	LCS	N/A	100	% Rec	96	120	80	09/06/06	*Acceptable*
Toluene-d8	LCSD	N/A	100	% Rec	96	120	80	09/06/06	*Acceptable*
Toluene-d8	MS	757590	100	% Rec	100	120	80	09/06/06	*Acceptable*
Toluene-d8	MSD	757590	99	% Rec	100	120	80	09/07/06	*Acceptable*
Toluene-d8	RBLK	N/A	96	% Rec		N/A	N/A	09/06/06	*Acceptable*

StarLims Run 118948 includes the following BSK Sample ID# :

757587 757588 757589 757590 757593 757594 757595 764371 764374 764375 764376 764377

Approved by: Cynthia Hammerton

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

Sample Integrity

Pg. 1 of 2

CLIEN 2006081597 08/21/2006
BSK G TAT: Standard

Date Received 8/24/06

Pre 821014

Section 1- Sampled Same Day

Sample Transport: Walk In SJVC BSK-Courier Transported In: Ice Chest Box Hand

Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient / On Ice

Section 2- Sampled Previously

Sample Transport: CAO UPS SJVC (Walk-In) BSK-Courier GSO Fed Exp. Other:_____

No. Coolers/Ice Chests: 1 Temperature(s): Soil Samples

Was Temperature In Range : Y N Received On Ice: (Wet) (Blue)

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other:_____

Were ice chest custody seals present? Y (N) Intact: Y (N)

Section 3- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received		—		Analysis Requested		—	
Date Sampled		—		Any hold times less than 72hr		—	
Time Sampled		—		Client Name	—		as per client
Sample ID			—	Address	—		
Special Storage/Handling Ins.	—	✓ 8/21		Telephone #	—		

Section 4- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?:	—			
Were bottle custody seals present?		—		
Were bottle custody seals intact?		—		
Did all bottle labels agree with COC?:		—		
Were correct containers used for the tests requested?:	—			
Were correct preservations used for the tests requested?:	—			
Was a sufficient amount of sample sent for tests indicated?:	—			
Were bubbles present in VOA Vials?: **(Volatile Methods Only)**			—	
Were Ascorbic Acid Bottles received with the VOAs			—	

Section 5- Comments / Discrepancies

Sample(s) Split/Preserve: (Yes) (No) Container: 1-voa Preservation:_____ Init.: JD

Was Client Service Rep. notified of discrepancies: (Yes) No N/A CSR: John Notified By:

Explanations / Comments

* Samples received 8/18/06 → COC faxed 8/21/06 1055. R

MW-6 20' MW-6-2.5'
MW-6 8' MW-6 15'
MW-6 5'
MW-6 10'

Not on COC faxed to Logan
* Label put on containers → Saying Consult John Posten before disposing.

Report Comment Entered:

SR-FL-0002-01 (SMPINTG06) Labeled by: (PP) Labels checked by:

Sample Integrity Pg 2 of 2

2006081597 08/21/200

SR-FL-0002-01 BSK Bottles Yes (No)

BSK G TAT: Standar

821014

8oz (A) 16oz (B) 32oz (C) Amber Glass (AG)

Container(s) Received	1-16	3-6	9-11				
Bacti $Na_2S_2O_3$							
None (p) White Cap							
None (p) Blue Cap							
HNO_3 (p) Red Cap							
H_2SO_4 (p) Yellow Cap							
NaOH (p) Green Cap							
Other:							
Dissolved Oxygen 300ml (g)							
250ml (AG) None							
250ml (AG) H_2SO_4 COD Yellow Label							
250ml (AG) $Na_2S_2O_3$ 515,547 Blue Label							
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label							
250ml (AG) NH_4Cl 552 Purple Label							
250ml (AG) EDA DBPs Brown Label							
250ml (AG) Other:							
500ml (AG) None							
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label							
500ml (AG) Other:							
1 Liter (AG) None							
1 Liter (AG) H_2SO_4 O&G Yellow Label							
1 Liter (AG) Na_2SO_3 525 N-Green Label							
1 Liter (AG) $Na_2S_2O_3$ 548 Blue Label							
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549							
1 Liter (AG) NaOH+ZnAc Sulfide							
1 Liter (AG) Other:							
40ml VOA Vial Clear – HCL							
40ml VOA Vial Amber – $Na_2S_2O_3$							
40ml VOA Vial Clear – None		1	1				
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505							
40ml VOA Vial Clear – H_3PO_4							
Other:							
Asbestos 1-Liter Plastic/Foil							
Radiological GA / GB (½ Gal Plastic)							
Radiological 226 / 228 (32 oz plastic N-BSK)							
Radon 200ml Clear (g)							
Low Level Hg/Metals Double Baggie							
THM-FP 4-40ml VOA None							
250 Clear Glass Jar							
500 Clear Glass Jar							
1 Liter Clear Glass Jar							
Plastic Bag							
Soil Tube (Brass) / Steel / Plastic	1						
Tedlar Bags							

8/31/06 JP

8/21 1:46

8/21

BSK ANALYTICAL LABORATORIES

1414 Stanislaus Street
Fresno, CA 93706-1623
(559) 497-2888, (800) 877-8310
FAX (559) 485-6935
www.bsklabs.com

TEMP:

82101

2006081597 08/21/2006
BSK G TAT: Standard
821014

Client Name	Report Attn:	Phone #	FAX #	E-mail:
BSK-G	Martin Cline	916-853-9293	916-853-9297	

Address	Project Name	Project #	Carbon Copies: (Check Box)
567 W. Shaw Ave, Ste B	AB&I Foundry	E06.055.045	CDHS ☐ FresnoCo ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:

City State Zip	Quote #	PO #	Rush Request (Circle One)
Fresno, CA			7Day 5Day 2Day 1Day

Sampler Name Printed	Sampler Signature	QC Required (Circle One)	Regulatory Compliance
E. Studley		STD Level II Level III	Electronic Data Transfer: Y N System #

Matrix Types: RSW = Raw Surface Water CRW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

Sample #	# Btls	Date / Time Sampled	Sample Description/Location	Matrix	Comments / Station Code	Hold	8260 VOC, 8260 Oxy	CAM-17	
1	1	08/12/06 1105	MW-5-2	SO	2"x6" Soil Tube	X			586-587
2		1108	MW-5-5					X	586
3		1112	MW-5-8				X	X	587
4		1115	MW-5-10				X		588
5		1118	MW-5-15				X		589
6		1124	MW-5-20				X		590
7		1300	MW-8-2					X	591
8		1302	MW-8-5					X	592
9		1308	MW-8-8				X	X	593
10		1329	MW-8-15		*analyze past hold time as per Mandy Cline BSK TAT		X		594
11	1	1336	MW-8-20				X		595

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Print Name)	Company
E. Studley	BSK-G	08/21/06	1012	8/21/06 JP	
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Print Name)	Company
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Print Name)	Company
Received for lab by: (Signature and Printed Name)		Date 8/21	Time 1055	Payment Received at Delivery: Date Amount Check/Cash/Card PJA # Init.	

Notice: Payment for services rendered as noted herein are due in full within 30 days from when invoiced. If not so paid, account balances are deemed delinquent and ...

BSK ANALYTICAL LABORATORIES
1414 Stanislaus Street
Fresno, CA 93706-1623
(559) 497-2888, (800) 877-8310
FAX (559) 485-6935
www.bsklabs.com

TEMP:

2006081597 08/21/2006
BSK G
821014
TAT: Standard

Client Name	Report Attn:	Phone #	FAX #	E-mail:
BSK-G	Martin Cline	916-853-9293	916-853-9297	mcline@bskinc.com

Address	Project Name	Project #
567 W. Shaw Ave, Ste B	AB&I Foundry	E06.055.045

City State Zip: Fresno, CA 93704
Quote #: PO #:
Rush Request (Circle One): 7Day (5Day) 2Day 1Day
Carbon Copies: (Check Box) CDHS ☐ FresnoCo ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:
Sampler Name Printed: E. Stodley
Sampler Signature: [signature]
QC Required (Circle One): (STD) Level II Level III
Regulatory Compliance
Electronic Data Transfer: Y N
System #

Matrix Types: RSW = Raw Surface Water CFW = Chlorinated Finished Water CWW = Chlorinated Waste Water BW = Bottled Water
RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

Sample #	# Btls	Date / Time Sampled	Sample Description/Location	Matrix	Comments / Station Code	HOLD	8260 VOC, 8260 Oxy	CAM-17	
11	1	08/18/06 1526	MW-7-2	SO	2" x 6" Soil Tube	X		X	757596
12	1	1534	mw-7-8	↓	↓	↓		X	597
14	1	1545	mw-7-10						598
15		1550	mw-7-15						599
16		1601	mw-7-20						600
17		0938	mw-6-20						757648
18		1018	mw-6-8					X	649
19		0915	mw-6-5					X	650
20		0921	mw-6-10						651
21		0910	mw-6-2.5		*added as per John P. RKK 8/21			X	652
22		0925	mw-6-15						653

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
E. Stodley [signature]	BSK-G	08/21/06	1012		

Received for lab by: (Signature and Printed Name) [signature] Date: 8/21 Time: 1055
Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.

Note: Payment for services rendered as noted herein are due in full within 30 days from date invoiced. ...

BSK ANALYTICAL LABORATORIES

BSK Submission Number: 2006090111

09/15/2006

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

Dear Martin Cline,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Please find enclosed the following sections for your complete laboratory report, each uniquely paginated:

CASE NARRATIVE: An overview of the work performed.
CERTIFICATE OF ANALYSIS: Analytical results.
QUALITY CONTROL (QC) SUMMARY: QC supporting the results presented herein.
REPORT OF SAMPLE INTEGRITY
CHAIN OF CUSTODY FORM

Certification: I certify that this data package is in compliance with NELAC Standards for applicable analyses under NELAP Certificate #04227CA, and is in compliance with ELAP Standards for applicable certified analyses under ELAP Certificate #1180, except for the conditions listed.

If additional clarification of any information is required, please contact your Client Services Representative, John Posten, at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

John Posten
Client Services Representative

Cynthia Hamilton
Quality Assurance Specialist

Case Narrative

BSK Submission Number: 2006090111

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

RUN	ORDER	TEST	ANALYTE	COMMENT
119006	764789	EPA 6020	Antimony (Sb)	MS and MSD recoveries were affected by the matrix.
119006	764787	EPA 6020	Lead (Pb)	MS recovery was affected by the matrix.
119006	764786	EPA 6020	Silver (Ag)	LCSD recovery was out of the acceptance range, however the LCS recovery was within the acceptance range, therefore the data were reported.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT

Case Narrative

BSK Submission Number: 2006090111

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

RUN	ORDER	TEST	ANALYTE	COMMENT
119006	764789	EPA 6020	Antimony (Sb)	MS and MSD recoveries were affected by the matrix.
119006	764787	EPA 6020	Lead (Pb)	MS recovery was affected by the matrix.
119006	764786	EPA 6020	Silver (Ag)	LCSD recovery was out of the acceptance range, however the LCS recovery was within the acceptance range, therefore the data were reported.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006090111
BSK Sample ID #: 762337

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: S-2-MW-9
Sample Comments:

Date Sampled: 08/18/2006
Time Sampled: 1057
Date Received: 09/01/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Antimony (Sb)	EPA 6020	**ND**	mg/Kg	10	1	10	09/06/06	09/07/06
Arsenic (As)	EPA 6020	**5.1**	mg/Kg	1	1	1	09/06/06	09/07/06
Barium (Ba)	EPA 6020	**210**	mg/Kg	5	1	5	09/06/06	09/07/06
Beryllium (Be)	EPA 6020	**ND**	mg/Kg	1	1	1	09/06/06	09/07/06
Cadmium (Cd)	EPA 6020	**ND**	mg/Kg	1	1	1	09/06/06	09/07/06
Chromium - Total (Cr)	EPA 6020	**37**	mg/Kg	5	1	5	09/06/06	09/07/06
Cobalt (Co)	EPA 6020	**9.0**	mg/Kg	5	1	5	09/06/06	09/07/06
Copper (Cu)	EPA 6020	**26**	mg/Kg	5	1	5	09/06/06	09/07/06
Lead (Pb)	EPA 6020	**170**	mg/Kg	5	1	5	09/06/06	09/07/06
Mercury (Hg)	EPA 6020	**0.13**	mg/Kg	0.1	1	0.1	09/06/06	09/07/06
Molybdenum (Mo)	EPA 6020	**ND**	mg/Kg	5	1	5	09/06/06	09/07/06
Nickel (Ni)	EPA 6020	**43**	mg/Kg	5	1	5	09/06/06	09/07/06
Selenium (Se) - Total	EPA 6020	**ND**	mg/Kg	1	1	1	09/06/06	09/07/06
Silver (Ag)	EPA 6020	**ND**	mg/Kg	2	1	2	09/06/06	09/07/06
Thallium (Tl)	EPA 6020	**ND**	mg/Kg	2	1	2	09/06/06	09/07/06
Vanadium (V)	EPA 6020	**29**	mg/Kg	1	1	1	09/06/06	09/07/06
Zinc (Zn)	EPA 6020	**150**	mg/Kg	5	1	5	09/06/06	09/07/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006090111
BSK Sample ID #: 762338

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: S-5-MW-9
Sample Comments:

Report Issue Date: 09/11/2006

Date Sampled: 08/18/2006
Time Sampled: 1103
Date Received: 09/01/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Antimony (Sb)	EPA 6020	**ND**	mg/Kg	10	1	10	09/06/06	09/07/06
Arsenic (As)	EPA 6020	**4.7**	mg/Kg	1	1	1	09/06/06	09/07/06
Barium (Ba)	EPA 6020	**410**	mg/Kg	5	1	5	09/06/06	09/07/06
Beryllium (Be)	EPA 6020	**1.1**	mg/Kg	1	1	1	09/06/06	09/07/06
Cadmium (Cd)	EPA 6020	**ND**	mg/Kg	1	1	1	09/06/06	09/07/06
Chromium - Total (Cr)	EPA 6020	**80**	mg/Kg	5	1	5	09/06/06	09/07/06
Cobalt (Co)	EPA 6020	**16**	mg/Kg	5	1	5	09/06/06	09/07/06
Copper (Cu)	EPA 6020	**52**	mg/Kg	5	1	5	09/06/06	09/07/06
Lead (Pb)	EPA 6020	**15**	mg/Kg	5	1	5	09/06/06	09/07/06
Mercury (Hg)	EPA 6020	**0.10**	mg/Kg	0.1	1	0.1	09/06/06	09/07/06
Molybdenum (Mo)	EPA 6020	**ND**	mg/Kg	5	1	5	09/06/06	09/07/06
Nickel (Ni)	EPA 6020	**92**	mg/Kg	5	1	5	09/06/06	09/07/06
Selenium (Se) - Total	EPA 6020	**ND**	mg/Kg	1	1	1	09/06/06	09/07/06
Silver (Ag)	EPA 6020	**ND**	mg/Kg	2	1	2	09/06/06	09/07/06
Thallium (Tl)	EPA 6020	**ND**	mg/Kg	2	1	2	09/06/06	09/07/06
Vanadium (V)	EPA 6020	**71**	mg/Kg	1	1	1	09/06/06	09/07/06
Zinc (Zn)	EPA 6020	**100**	mg/Kg	5	1	5	09/06/06	09/07/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Martin Cline
BSK and Associates - Sacramento
3140 Gold Camp Drive Suite 160
Rancho Cordova, CA 95670

BSK Submission #: 2006090111
BSK Sample ID #: 762339

Report Issue Date: 09/11/2006

Project ID: E0605504S
Project Desc: AB and I Oakland
Submission Comments:
Sample Type: Liquid
Sample Description: S-8-MW-9
Sample Comments:

Date Sampled: 08/18/2006
Time Sampled: 1110
Date Received: 09/01/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Antimony (Sb)	EPA 6020	ND	mg/Kg	10	1	10	09/06/06	09/07/06
Arsenic (As)	EPA 6020	1.8	mg/Kg	1	1	1	09/06/06	09/07/06
Barium (Ba)	EPA 6020	150	mg/Kg	5	1	5	09/06/06	09/07/06
Beryllium (Be)	EPA 6020	ND	mg/Kg	1	1	1	09/06/06	09/07/06
Cadmium (Cd)	EPA 6020	ND	mg/Kg	1	1	1	09/06/06	09/07/06
Chromium - Total (Cr)	EPA 6020	41	mg/Kg	5	1	5	09/06/06	09/07/06
Cobalt (Co)	EPA 6020	9.7	mg/Kg	5	1	5	09/06/06	09/07/06
Copper (Cu)	EPA 6020	19	mg/Kg	5	1	5	09/06/06	09/07/06
Lead (Pb)	EPA 6020	6.0	mg/Kg	5	1	5	09/06/06	09/07/06
Mercury (Hg)	EPA 6020	0.13	mg/Kg	0.1	1	0.1	09/06/06	09/07/06
Molybdenum (Mo)	EPA 6020	ND	mg/Kg	5	1	5	09/06/06	09/07/06
Nickel (Ni)	EPA 6020	57	mg/Kg	5	1	5	09/06/06	09/07/06
Selenium (Se) - Total	EPA 6020	ND	mg/Kg	1	1	1	09/06/06	09/07/06
Silver (Ag)	EPA 6020	ND	mg/Kg	2	1	2	09/06/06	09/07/06
Thallium (Tl)	EPA 6020	ND	mg/Kg	2	1	2	09/06/06	09/07/06
Vanadium (V)	EPA 6020	28	mg/Kg	1	1	1	09/06/06	09/07/06
Zinc (Zn)	EPA 6020	51	mg/Kg	5	1	5	09/06/06	09/07/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/15/2006

BSK Submission : **2006090111**
Client : **BSK and Associates - Sacrament**
Date Submitted : **09/01/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 119006

Analyst Initials: **NORMANE** Method Number: **SB_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Antimony (Sb)	LCS	N/A	26	mg/Kg	102		25	ND	125	75	09/07/06	*Acceptable*
Arsenic (As)	LCS	N/A	20	mg/Kg	101		20	ND	125	75	09/07/06	*Acceptable*
Barium (Ba)	LCS	N/A	100	mg/Kg	99		100	ND	125	75	09/07/06	*Acceptable*
Beryllium (Be)	LCS	N/A	25	mg/Kg	101		25	ND	125	75	09/07/06	*Acceptable*
Cadmium (Cd)	LCS	N/A	25	mg/Kg	98		25	ND	125	75	09/07/06	*Acceptable*
Chromium - Total (Cr)	LCS	N/A	97	mg/Kg	96		100	ND	125	75	09/07/06	*Acceptable*
Cobalt (Co)	LCS	N/A	98	mg/Kg	97		100	ND	125	75	09/07/06	*Acceptable*
Copper (Cu)	LCS	N/A	100	mg/Kg	100		100	ND	125	75	09/07/06	*Acceptable*
Lead (Pb)	LCS	N/A	190	mg/Kg	96		200	ND	125	75	09/07/06	*Acceptable*
Mercury (Hg)	LCS	N/A	1.9	mg/Kg	95		2	ND	125	75	09/07/06	*Acceptable*
Molybdenum (Mo)	LCS	N/A	98	mg/Kg	98		100	ND	125	75	09/07/06	*Acceptable*
Nickel (Ni)	LCS	N/A	97	mg/Kg	97		100	ND	125	75	09/07/06	*Acceptable*
Selenium (Se) - Total	LCS	N/A	19	mg/Kg	94		20	ND	125	75	09/07/06	*Acceptable*
Silver (Ag)	LCS	N/A	43	mg/Kg	86		50	ND	125	75	09/07/06	*Acceptable*
Thallium (Tl)	LCS	N/A	52	mg/Kg	103		50	ND	125	75	09/07/06	*Acceptable*
Vanadium (V)	LCS	N/A	98	mg/Kg	98		100	ND	125	75	09/07/06	*Acceptable*
Zinc (Zn)	LCS	N/A	100	mg/Kg	98		100	ND	125	75	09/07/06	*Acceptable*
Antimony (Sb)	LCSD	N/A	26	mg/Kg	104	N/A	25	ND	125	75	09/07/06	*Acceptable*
Arsenic (As)	LCSD	N/A	20	mg/Kg	101	N/A	20	ND	125	75	09/07/06	*Acceptable*
Barium (Ba)	LCSD	N/A	100	mg/Kg	101	N/A	100	ND	125	75	09/07/06	*Acceptable*
Beryllium (Be)	LCSD	N/A	26	mg/Kg	103	N/A	25	ND	125	75	09/07/06	*Acceptable*
Cadmium (Cd)	LCSD	N/A	25	mg/Kg	101	N/A	25	ND	125	75	09/07/06	*Acceptable*
Chromium - Total (Cr)	LCSD	N/A	100	mg/Kg	100	N/A	100	ND	125	75	09/07/06	*Acceptable*
Cobalt (Co)	LCSD	N/A	98	mg/Kg	98	N/A	100	ND	125	75	09/07/06	*Acceptable*
Copper (Cu)	LCSD	N/A	100	mg/Kg	102	N/A	100	ND	125	75	09/07/06	*Acceptable*
Lead (Pb)	LCSD	N/A	200	mg/Kg	97	N/A	200	ND	125	75	09/07/06	*Acceptable*
Mercury (Hg)	LCSD	N/A	1.9	mg/Kg	96	N/A	2	ND	125	75	09/07/06	*Acceptable*
Molybdenum (Mo)	LCSD	N/A	100	mg/Kg	101	N/A	100	ND	125	75	09/07/06	*Acceptable*
Nickel (Ni)	LCSD	N/A	100	mg/Kg	99	N/A	100	ND	125	75	09/07/06	*Acceptable*
Selenium (Se) - Total	LCSD	N/A	20	mg/Kg	96	N/A	20	ND	125	75	09/07/06	*Acceptable*
Silver (Ag)	LCSD	N/A	44	mg/Kg	876	N/A	5	ND	125	75	09/07/06	*OOS-High*
Thallium (Tl)	LCSD	N/A	53	mg/Kg	105	N/A	50	ND	125	75	09/07/06	*Acceptable*
Vanadium (V)	LCSD	N/A	100	mg/Kg	102	N/A	100	ND	125	75	09/07/06	*Acceptable*
Zinc (Zn)	LCSD	N/A	100	mg/Kg	102	N/A	100	ND	125	75	09/07/06	*Acceptable*
Antimony (Sb)	MS	762337	ND	mg/Kg	35		25	ND	125	75	09/07/06	*OOS-Low*
Arsenic (As)	MS	762337	26	mg/Kg	103		20	5.1	125	75	09/07/06	*Acceptable*
Barium (Ba)	MS	762337	330	mg/Kg	105		100	210	125	75	09/07/06	*Acceptable*

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

BSK ANALYTICAL LABORATORIES

QC Summary Report 09/15/2006

BSK Submission : **2006090111**
Client : **BSK and Associates - Sacrament**
Date Submitted : **09/01/2006**
Project ID : **E0605504S**

Project Desc : **AB and I Oakland**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 119006

Analyst Initials: **NORMANE**

Method Number: **CO_MS_35**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Cobalt (Co)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*
Copper (Cu)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*
Lead (Pb)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*
Mercury (Hg)	RBLK	N/A	ND	mg/Kg	< 0.1				0.1	N/A	09/07/06	*Acceptable*
Molybdenum (Mo)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*
Nickel (Ni)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*
Selenium (Se) - Total	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/07/06	*Acceptable*
Silver (Ag)	RBLK	N/A	ND	mg/Kg	< 2				2	N/A	09/07/06	*Acceptable*
Thallium (Tl)	RBLK	N/A	ND	mg/Kg	< 2				2	N/A	09/07/06	*Acceptable*
Vanadium (V)	RBLK	N/A	ND	mg/Kg	< 1				1	N/A	09/07/06	*Acceptable*
Zinc (Zn)	RBLK	N/A	ND	mg/Kg	< 5				5	N/A	09/07/06	*Acceptable*

Run	Test	Analyte	Comment
119006	SB_MS_35	Antimony	MS and MSD recoveries were affected by the matrix.
119006	PB_MS_35	Lead	MS recovery was affected by the matrix.
119006	AG_MS_35	Silver	LCSD recovery was out of the acceptance range, however the LCS recovery was within the acceptance range, therefore the data were reported.

StarLims Run 119006 includes the following BSK Sample ID# :

760704 762337 762338 762339 764783 764784 764786 764787 764789

Approved by: Cynthia Hamilton

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

Sample Integrity

Pg. 1 of 2

CLI | 2006090111 09/01/2006

BSK S

91114

TAT: Standard

Date Received 09/1/06

Section 1- Sampled Same Day

Sample Transport: Walk In SJVC BSK Courier Transported In: Ice Chest Box Hand

Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient / On Ice

Section 2- Sampled Previously

Sample Transport: CAO UPS SJVC Walk-In BSK-Courier GSO Fed Exp. Other:_____

No. Coolers/Ice Chests: 1 Temperature(s): 5.0 4

Was Temperature In Range: Y N Received On Ice: Wet Blue

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other:_____

Were ice chest custody seals present? Y N Intact: Y N

Section 3- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	✓			Analysis Requested	✓		
Date Sampled	✓			Any hold times less than 72hr		✓	
Time Sampled	✓			Client Name	✓		
Sample ID	✓			Address	✓		
Special Storage/Handling Ins.		✓		Telephone #	✓		

Section 4- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?:	✓			
Were bottle custody seals present?		✓		
Were bottle custody seals intact?		✓		
Did all bottle labels agree with COC?:	✓			
Were correct containers used for the tests requested?:	✓			
Were correct preservations used for the tests requested?:	✓			
Was a sufficient amount of sample sent for tests indicated?:	✓			
Were bubbles present in VOA Vials?: (**Volatile Methods Only**)			✓	
Were Ascorbic Acid Bottles received with the VOAs			✓	

Section 5- Comments / Discrepancies

Sample(s) Split/Preserve: Yes No Container:_____ Preservation:_____ Init.:____

Was Client Service Rep. notified of discrepancies: Yes No N/A CSR: Notified By:

Explanations / Comments

Report Comment Entered:

SR-FL-0002-01 (SMPINTG06)

Labeled by: Labels checked by:

Sample Integrity Pg 2 of 2

2006090111 09/01/2006
BSK S TAT: Standard
91114

SR-FL-0002-01 BSK Bottles (Yes) No

8oz (A) 16oz (B) 32oz (C) Amber Glass (AG)

Container(s) Received	1-3						
Bacti $Na_2S_2O_3$							
None (p) White Cap							
None (p) Blue Cap							
HNO_3 (p) Red Cap							
H_2SO_4 (p) Yellow Cap							
NaOH (p) Green Cap							
Other:							
Dissolved Oxygen 300ml (g)							
250ml (AG) None							
250ml (AG) H_2SO_4 COD Yellow Label							
250ml (AG) $Na_2S_2O_3$ 515,547 Blue Label							
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label							
250ml (AG) NH_4Cl 552 Purple Label							
250ml (AG) EDA DBPs Brown Label							
250ml (AG) Other:							
500ml (AG) None							
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label							
500ml (AG) Other:							
1 Liter (AG) None							
1 Liter (AG) H_2SO_4 O&G Yellow Label							
1 Liter (AG) Na_2SO_3 525 N-Green Label							
1 Liter (AG) $Na_2S_2O_3$ 548 Blue Label							
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549							
1 Liter (AG) NaOH+ZnAc Sulfide							
1 Liter (AG) Other:							
40ml VOA Vial Clear – HCL							
40ml VOA Vial Amber – $Na_2S_2O_3$							
40ml VOA Vial Clear – None							
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505							
40ml VOA Vial Clear – H_3PO_4							
Other:							
Asbestos 1-Liter Plastic/Foil							
Radiological GA / GB (½ Gal Plastic)							
Radiological 226 / 228 (32 oz plastic N-BSK)							
Radon 200ml Clear (g)							
Low Level Hg/Metals Double Baggie							
THM-FP 4-40ml VOA None							
250 Clear Glass Jar							
500 Clear Glass Jar							
1 Liter Clear Glass Jar							
Plastic Bag							
Soil Tube Brass / Steel / Plastic							
Tedlar Bags							

09/1/2006

BSK ANALYTICAL LABORATORIES

1414 Stanislaus, Fresno CA 93706
(559) 497-2888, (800) 877-8310, FAX (559) 485-6935

Page: [ ] of [ ]

BSK Submission: 91114
COC Number:
Global ID Number:

2006090111 09/01/2006
BSK S
91114
TAT: 5 Day

Lab Use Only: AB & I Oakland	Report Attention: Martin Cline	Method Preserved	
Address: BSK Sacramento	BSK Job No.: E0605504S		
City, State, Zip	Copy to:		
Phone (916) 853-9293	FAX (916) 853-9297		
Lab Use Only	Sampling Info	Sampled by:	

Sa	T	VC	Date	Time	Field Point Name	HCl	HNO3	H2SO4	NONE	OTHER (List)	CAM-17 Metals	Rush Priority (1-Day, 2-Day, 5-Day)
1	5	1	8/18/06	10:57	S-2-MW-9	7162337					x	5 day
2	"	"	8/18/06	11:03	S-5-MW-9		338				x	5 day
3	"	"	8/18/06	11:10	S-8-MW-9		339				x	5 day

QC Report Type: Level [X] 2 [ ] 3 [ ] 4

Formal COC Required: [ ]

Electronic Data Format Required: [X] Email EDF To: mbcline@bskinc.com

Low Level Fuel Oxygenates Detection Limits Req: [X]

Signature	Print Name	Company	Date/Time
Received / Reliquished by:	Martin Cline	BSK-Sac	8/31/06 14:10
Received / Reliquished by:			
Received / Reliquished by:			
Received / Reliquished by:		BSK	9/1/06 6a00
Received / Reliquished by:			

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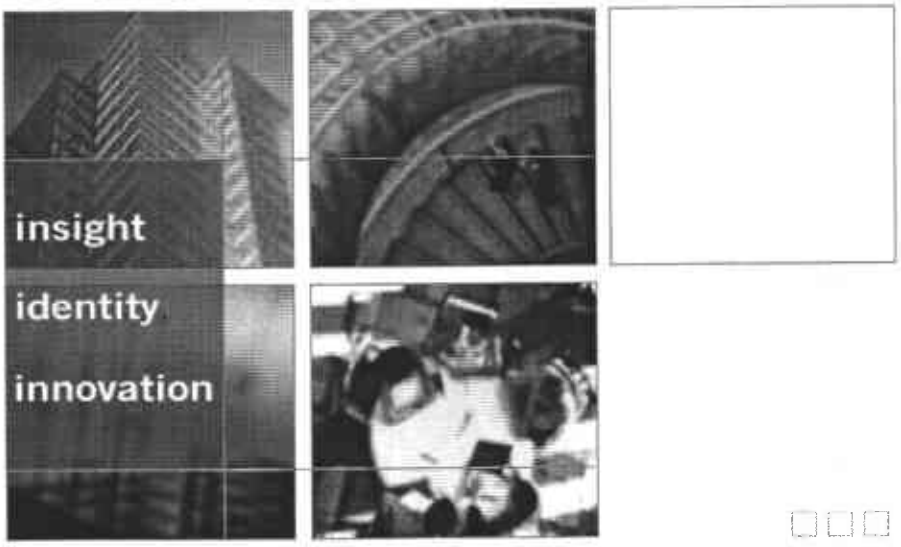

EquiBrand is a management consultancy driving brand and business growth through strategic marketing, planning and implementation.

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Michael Lowe

From: Kurt Winter
Sent: Thursday, June 14, 2007 9:13 AM
To: Michael Lowe
Subject: EquiBrand: Brand Strategy Consultants and Consulting Services

http://www.equibrandconsulting.com/

Talk to the owner Tim Koelzer