UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
BOSTON, MA 02109-3912

CERTIFIED MAIL

October 20, 2010

Rod Cummings,
Project Manager
65 Glenn Street
Lawrence, MA 01843

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. Rte. 35 over the Waters River site located at 128 Water Street, Danvers, MA 01923, Essex County, Authorization #MAG910459 – Reissuance.

Dear Mr. Cummings:

Based on the review of a Notice of Intent (NOI) submitted on behalf of Kodiak Corporation by the firm TCE for the project referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants for which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. These are the pollutants applicable to discharges associated with RGP Category III – Contaminated Construction Dewatering and Sub-category A – General Urban Fill Sites. This is the RGP category and subcategory you reported in your NOI. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note also the following: (1) the list of pollutants attached to this authorization is subject to a recertification (See Part I.C.8., on Page 16 of the RGP), if the operations at the site result in a discharge lasting longer than six months, and (2) errors in Appendixes III and VI of the 2010 RGP reissuance were discovered. Namely on Appendix III, Item #5, the effluent limit for benzene which is 5ug/L is missing; and in Appendix VI, Item #3, the methodology for Total Petroleum Hydrocarbons (TPH), Method 1664A was omitted and incorrectly in its place is Method 160.2 for total suspended solids (TSS).

This general permit and authorization to discharge will expire on September 9, 2015. You reported that this project will terminate in June 2012. If for any reason the discharge terminates sooner, you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

David M. Webster, Chief
Industrial Permits Branch

Enclosure

cc: Kathleen Keohane, MassDEP

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Permit Number:	**MAG910459**
Date Permit Issued:	October, 2010
Facility/Site Name:	Rte 35 over the Waters River
Facility/Site Address:	128 Water Street, Danvers, MA – Essex County
	Email address of owner; susan.cranney@state.ma.us; Phone number:978.767.4188
Legal Name of operator:	Kodiak Corporation
Operator contact name, title, and Address:	Rod Cummings, Project Manager, 65 Glenn Street, Lawrence, MA, 01843
	Email: rcummings@tecmass.com; Telephone n: 978.685.0777
Estimated Date of Completion:	July 2012
Category and Sub-Category:	Category III, Subcategory A – General Urban Fill Sites
Receiving Water:	Waters River-drains into the Danvers River Inlet & Beverly Harbor.

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	Parameter	**Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum unless denoted by a **)
√	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/l) **, 50 mg/l for hydrostatic testing **, Me#60.2/5mL
√	2. Total Residual Chlorine (TRC) [1]	Freshwater = 11 ug/l ** Saltwater = 7.5 ug/l **/ Me#330.5/ML 20ug/L
	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/l/ Me# 1664A/5.0mg/LmL
√	4. Cyanide (CN) [2, 3]	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/l **/ Me#335.4/ML 5ug/L
√	5. Benzene (B)	5ug/L /50.0 ug/l for hydrostatic testing only/ Me#8260C/ML 2 ug/L
√	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
√	7. Ethylbenzene (E)	(limited as ug/L total BTEX))/ Me#8260C/ ML 2ug/L
√	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX))/ Me#8260C/ ML 2ug/L
√	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4]	100 ug/l)/ Me#8260C/ ML 2ug/L
√	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
√	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l /Me#8260C/ ML 10ug/L
√	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only (ug/L)/ Me#8260C/ ML 10ug/L
√	13. tert-Amyl Methyl Ether (TAME)	Monitor Only (ug/L) /Me#8260C/ ML 10ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum unless denoted by a **)
√	14. Naphthalene [5]	20 ug/l /Me#8260C/ ML 2ug/L
√	15. Carbon Tetrachloride	4.4 ug/l /Me#8260C/ ML 5ug/L
√	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/l /Me#8260C/ ML 5ug/L
√	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/l /Me#8260C/ ML 5ug/L
√	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/l /Me#8260C/ ML 5ug/L
√	18a. Total dichlorobenzene	763 ug/l - NH only /Me#8260C/ ML5ug/L
√	19. 1,1 Dichloroethane (DCA)	70 ug/l /Me#8260C/ ML 5ug/L
√	20. 1,2 Dichloroethane (DCA)	5.0 ug/l /Me#8260C/ ML 5ug/L
√	21. 1,1 Dichloroethene (DCE)	3.2 ug/l/Me#8260C/ ML 5ug/L
√	22. cis-1,2 Dichloroethene (DCE)	70 ug/l /Me#8260C/ ML 5ug/L
√	23. Methylene Chloride	4.6 ug/l/Me#8260C/ ML 5ug/L
√	24. Tetrachloroethene (PCE)	5.0 ug/l /Me#8260C/ ML 5ug/L
√	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/l/Me#8260C/ ML 5ug/L
√	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/l /Me#8260C/ ML 5ug/L
√	27. Trichloroethene (TCE)	5.0 ug/l /Me#8260C/ ML 5ug/L
√	28. Vinyl Chloride (Chloroethene)	2.0 ug/l /Me#8260C/ ML 5ug/L
√	29. Acetone	Monitor Only (ug/L) /Me#8260C/ ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML50 ug/L
√	31. Total Phenols	300 ug/l Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML50 ug/L
√	32. Pentachlorophenol (PCP)	1.0 ug/l /Me#8270D/ML5ug/L,Me#604 &625/ML10ug/L
√	33. Total Phthalates (Phthalate esters) [6]	3.0 ug/L ** /Me#8270D/ML5ug/L,Me#606/ML10ug/L& Me#625/ML5ug/L
√	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/l /Me#8270D/ML5ug/L,Me#606/ML10ug/L& Me#625/ML5ug/L
	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/l
√	a. Benzo(a) Anthracene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
√	b. Benzo(a) Pyrene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
√	c. Benzo(b)Fluoranthene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
√	d. Benzo(k)Fluoranthene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
√	e. Chrysene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
√	f. Dibenzo(a,h)anthracene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
√	g. Indeno(1,2,3-cd) Pyrene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L,

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum unless denoted by a **)
		Me#610/ML5ug/L& Me#625/ML5ug/L
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/l
√	h. Acenaphthene	X/Me#8270D/ML5ug/L,Me#610/ML5ug /L & Me#625/ML5ug/L
√	i. Acenaphthylene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
√	j. Anthracene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
√	k. Benzo(ghi) Perylene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
V	l. Fluoranthene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
√	m. Fluorene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	n. Naphthalene [5]	20 ug/l / Me#8270D/ ML5ug/L, Me#610/ML5ug/L & Me#625/ML5ug/L
√	o. Phenanthrene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
√	p. Pyrene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
√	37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	0.000064 ug/L / Me# 608/ ML 0.5 ug/L
√	38. Chloride	Monitor only/Me# 300.0/ ML 0.1ug/L

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11]		Total Recoverable Metal Limit @ H [10] = 25 mg/l CaCO3 for Discharges in New Hampshire (ug/l) [11]	
		Freshwater	Saltwater	Freshwater	Saltwater
√	39. Antimony	5.6/10mL		5.6/10mL	
√	40. Arsenic **	10/20mL	36/20mL	10/20Ml	36/20mL
√	41. Cadmium **	0.2/10ml	8.9/10mL	0.8/10mL	9.3/10mL
√	42. Chromium III (trivalent) **	48.8/15mL	100/15mL	27.7/15mL	100/15mL
√	43. Chromium VI (hexavalent) **	11.4/10mL	50.3/10mL	11.4/10mL	50.3/10mL
√	44. Copper **	5.2/15mL	3.7/15mL	2.9/15mL	3.7/15mL
√	45. Lead **	1.3/20mL	8.5/20mL	0.5/20mL	8.5/20mL
√	46. Mercury **	0.9/0.2mL	1.1/0.2mL	0.9/0.2mL	1.1/0.2mL
√	47. Nickel **	29/20mL	8.2/20mL	16.1/20mL	8.2/20mL
√	48. Selenium **	5/20mL	71/20mL	5/20mL	71/20mL
√	49. Silver	1.2/10mL	2.2/10mL	0.4/10mL	2.2/10mL
√	50. Zinc **	66.6/15mL	85.6/15mL	37/15mL	85.6/15mL
√	51. Iron	1,000/20mL		1,000/20mL	

	Other Parameters	Limit
√	52. Instantaneous Flow	Site specific in CFS
√	53. Total Flow	Site specific in CFS
	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab[13]
√	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab[13]
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab[13]
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab[14]
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab[14]
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab[14]
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab[14]
	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab[14]
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab[14]
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab[14]
	64. Maximum Change in Temperature in MA – Any Class SB water body - October to June	4°F; 1/Month/Grab[14]

Footnotes:

[1] Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).
[2] Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.
[3] Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).
[4] BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.
[5] Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.
[6] The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

[7] Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

[8] In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

[9]Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).

[10] Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.

[11] For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF x 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.

[12] Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).

[13] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

[14] Temperature sampling per Method 170.1

TRANSMITTAL

MAG-910459

KODIAK
CORPORATION
65 GLENN STREET
LAWRENCE, MA 01843
TEL 978.685.0777 - FAX 978.794.1793

10/5/10 Received

L-04-005
Route 35 (Water Street)
over the Waters River

Transmittal No. 38

Date: 9/23/2010
To: **Remediation General Permit NOI Processin**
U.S. Environmental Protection Agency
5 Post Office Sq,Ste 100,Mail Code OEP06-4
Boston, MA 02109-3912
0 0

From: William H. Barr
Fax:
Pages:

Re: SUBMITTAL 18A- NOI for revised RGP
Type: TRANSMITTAL
Status: FOR APPROVAL

Transmitting:

NOI for the Remediation General Permit

Comments:

Enclosed please find one (1) copy of the NOI for Remediation General Permit for the Water Street Bridge in Danvers, MA for approval. We submitted our NOI in July and received authorization until the permit expires in December. This resubmission is to regain authorization to discharge under this permit.

Thank you,
Kodiak Corporation

MAG910459

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of **facility/site**: Rte. 35 over the Waters River		**Facility/site** mailing address:			
Location of **facility/site**: longitude: -70.92035 latitude: 42.54612	Facility SIC code(s): 1611 & 1622	Street: (Site Address) 128 Water Street			
b) Name of **facility/site owner:** Mass DOT		Town: Danvers			
Email address of facility/site owner: susan.cranney@state.ma.us		State: MA	Zip: 01923	County: Essex	
Telephone no. of facility/site **owner**: 978-767-4188					
Fax no. of facility/site **owner**: 978-548-6498		**Owner** is (check one): 1. Federal ○ 2. State/Tribal ◉ 3. Private ○ 4. Other ○ if so, describe:			
Address of **owner** (if different from site):					
Street: 10 Park Plaza, Suite 3170					
Town: Boston	State: MA	Zip: 02116	County: Suffolk		
c) Legal name of **operator**: Kodiak Corporation	**Operator** telephone no: 978-685-0777	**Operator** fax no.: 978-794-1793	**Operator** email: rcummings@tecmass.com		
Operator contact name and title: Rod Cummings, Project Manager					
Address of **operator** (if different from owner):	Street: (mailing address) 65 Glenn Street				
Town: Lawrence	State: MA	Zip: 01843	County: Essex		

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y ○ N ◉, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y ○ N ◉, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y ◉ N ○
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y ○ N ◉

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y ○ N ◉
If Y, please list:
1. site identification # assigned by the state of NH or MA:
2. permit or license # assigned:
3. state agency contact information: name, location, and telephone number:

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y ○ N ◉, if Y, number:
2. Final Dewatering General Permit? Y ○ N ◉, if Y, number:
3. EPA Construction General Permit? Y ○ N ◉, if Y, number:
4. Individual NPDES permit? Y ○ N ◉, if Y, number:
5. any other water quality related individual or general permit? Y ◉ N ○, if Y, number: P24550

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y ○ N ◉

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

Activity Category	**Activity Sub-Category**
I - Petroleum Related Site Remediation	A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☐
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☒ B. Known Contaminated Sites ☐

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Dewatering construction site for remediation of contaminates with Baker Corp. Filtration System

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow 1.07 cfs Is maximum flow a **design value**? Y ◉ N ○
Average flow (include units) 0.45 cfs Is average flow a design value or estimate? Design

3) Latitude and longitude of each discharge within 100 feet:

pt.1: lat	42.54636	long	-70.92039	pt.2: lat.		long.	;
pt.3: lat		long		pt.4: lat.		long.	;
pt.5: lat		long		pt.6: lat.		long.	;
pt.7: lat		long		pt.8: lat.		long.	; etc.

4) If hydrostatic testing, total volume of the discharge (gals): 288,000 /day

5) Is the discharge intermittent ◉ or seasonal ○ ?
Is discharge ongoing? Y ◉ N ○

c) Expected dates of discharge (mm/dd/yy): start July, 2010 end June, 2012

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s). (see attached Water Flow Schematic)

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)		☐	☒	1		2540D		33000		33000	
2. Total Residual Chlorine (TRC)		☐	☒	1		4500CIG		500		<500.	
3. Total Petroleum Hydrocarbons (TPH)		☒	☐								
4. Cyanide (CN)	57125	☐	☒	1		4500CNE		10		<10	
5. Benzene (B)	71432	☐	☒	1		8260B		1		<1	
6. Toluene (T)	108883	☐	☒	1		8260B		1		<1	
7. Ethylbenzene (E)	100414	☐	☒	1		8260B		1		<1	
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☐	☒	1		8260B		1		<1	
9. Total BTEX [2]	n/a	☐	☒	1		8260B		4		<4	
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☐	☒	1		8260B		2		<2	
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☐	☒	1		8260B		5		<5	
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☐	☒	1		8260B		30		<30	

* Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

[2] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

[3] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
13. tert-Amyl Methyl Ether (TAME)	9940508	☐	☒	1		8260B		5		<5	
14. Naphthalene	91203	☐	☒	2		8260B, 8270D		5		<2.55	
15. Carbon Tetrachloride	56235	☐	☒	1		8260B		2		<2	
16. 1,2 Dichlorobenzene (o-DCB)	95501	☐	☒	2		8260B, 8270D		1		<1	
17. 1,3 Dichlorobenzene (m-DCB)	541731	☐	☒	2		8260B, 8270D		1		<1	
18. 1,4 Dichlorobenzene (p-DCB)	106467	☐	☒	2		8260B, 8270D		1		<1	
18a. Total dichlorobenzene		☐	☒	2		8260B, 8270D		3		<3	
19. 1,1 Dichloroethane (DCA)	75343	☐	☒	1		8260B		2		<2	
20. 1,2 Dichloroethane (DCA)	107062	☐	☒	1		8260B		2		<2	
21. 1,1 Dichloroethene (DCE)	75354	☐	☒	1		8260B		1		<1	
22. cis-1,2 Dichloroethene (DCE)	156592	☐	☒	1		8260B		2		<2	
23. Methylene Chloride	75092	☐	☒	1		8260B		5		<5	
24. Tetrachloroethene (PCE)	127184	☐	☒	1		8260B		2		<2	
25. 1,1,1 Trichloro-ethane (TCA)	71556	☐	☒	1		8260B		2		<2	
26. 1,1,2 Trichloro-ethane (TCA)	79005	☐	☒	1		8260B		2		<2	
27. Trichloroethene (TCE)	79016	☐	☒	1		8260B		2		<2	

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
28. Vinyl Chloride (Chloroethene)	75014	☐	☒	1		8260B		2		<2	
29. Acetone	67641	☐	☒	1		8260B		10		<10	
30. 1,4 Dioxane	123911	☒	☐								
31. Total Phenols	108952	☐	☒	1		8270D		1		<1	
32. Pentachlorophenol (PCP)	87865	☐	☒	1		8270D		5		<5	
33. Total Phthalates (Phthalate esters) [4]		☐	☒	1		8270D		15		<15	
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☐	☒	1		8270D		5		<5	
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐								
a. Benzo(a) Anthracene	56553	☐	☒	1		8270D		0.1		0.1	
b. Benzo(a) Pyrene	50328	☐	☒	1		8270D		0.1		<0.1	
c. Benzo(b)Fluoranthene	205992	☐	☒	1		8270D		0.1		<0.1	
d. Benzo(k)Fluoranthene	207089	☐	☒	1		8270D		0.1		<0.1	
e. Chrysene	21801	☐	☒	1		8270D		0.1		<0.1	
f. Dibenzo(a,h)anthracene	53703	☐	☒	1		8270D		0.1		<0.1	
g. Indeno(1,2,3-cd) Pyrene	193395	☐	☒	1		8270D		0.1		<0.1	
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐								

[4] The sum of individual phthalate compounds.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
h. Acenaphthene	83329	☐	☒	1		8270D		0.1		<0.1	
i. Acenaphthylene	208968	☐	☒	1		8270D		0.1		<0.1	
j. Anthracene	120127	☐	☒	1		8270D		0.1		<0.1	
k. Benzo(ghi) Perylene	191242	☐	☒	1		8270D		0.1		<0.1	
l. Fluoranthene	206440	☐	☒	1		8270D		0.1		0.1	
m. Fluorene	86737	☐	☒	1		8270D		0.1		<0.1	
n. Naphthalene	91203	☐	☒	2		8270D, 8260B		5		<2.55	
o. Phenanthrene	85018	☐	☒	1		8270D		0.1		<0.1	
p. Pyrene	129000	☐	☒	1		8270D		0.1		0.1	
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☐	☒	1		608		0.7		<0.7	
38. Chloride	16887006	☒	☐								
39. Antimony	7440360	☐	☒	1		200.8		3		3	
40. Arsenic	7440382	☐	☒	1		200.8		59		59	
41. Cadmium	7440439	☐	☒	1		200.8		0.3		0.3	
42. Chromium III (trivalent)	16065831	☐	☒	1		200.8		10		<10	
43. Chromium VI (hexavalent)	18540299	☐	☒	1		7196A		10		<10	
44. Copper	7440508	☐	☒	1		200.8		6		6	
45. Lead	7439921	☐	☒	1		200.8		1.2		1.2	
46. Mercury	7439976	☐	☒	1		200.8		0.1		<0.1	
47. Nickel	7440020	☐	☒	1		200.8		13		13	
48. Selenium	7782492	☐	☒	1		200.8		33		33	
49. Silver	7440224	☐	☒	1		200.8		0.8		0.8	
50. Zinc	7440666	☐	☒	1		200.8		5		<5	
51. Iron	7439896	☐	☒	1		200.8		160		160	
Other (describe):		☐	☒	1		200.8		3		3	

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
		☐	☐								
		☐	☐								

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y ◉ N ○

If yes, which metals?
Arsenic, Cadmium, Copper, Selenium

Step 2: For any metals which exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals?

Metal: Arsenic DF: n/a
Metal: Cadmium DF: n/a
Metal: Copper DF: n/a
Metal: Selenium DF: n/a
Etc.

Unable to calculate DF, since river is tidal & no average flow rate is available.

Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)?
Y ○ N ○ If Y, list which metals:

n/a

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

(see attached Treatment System Specifications, by Baker Corp.)

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☐	Air stripper ☒	Oil/water separator ☐	Equalization tanks ☐	Bag filter ☒	GAC filter ☐
	Chlorination ☐	De-chlorination ☐	Other (please describe):	Modern Fixed Axle Tank		

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 200 gpm Maximum flow rate of treatment system 480 gpm
Design flow rate of treatment system 200 gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

Activated Carbon

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct to receiving water ☒	Within facility (sewer) ☐	Storm drain ☐	Wetlands ☐	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:
Treated water on site is discharged to the Waters River, which drains into the Danvers River Inlet & Beverly Harbor.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water Category 5

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water (n/a- River has tidal flow) cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y ◉ N ○ If yes, for which pollutant(s)?
fecal coliform
Is there a final TMDL? Y ○ N ◉ If yes, for which pollutant(s)?

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?

A ◉ B ○ C ○ D ○ E ○ F ○

b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ○ N ○ Underway ○

c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y ○ N ◉

d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.

e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?

1 ○ 2 ◉ 3 ○

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

(see attached)

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

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

Facility/Site Name:	Rte. 35 over the Waters River, Danvers, MA
Operator signature:	
Printed Name &Title:	Rod Cummings, P.M.
Date:	September 23, 2010

WATER FLOW SCHEMATIC

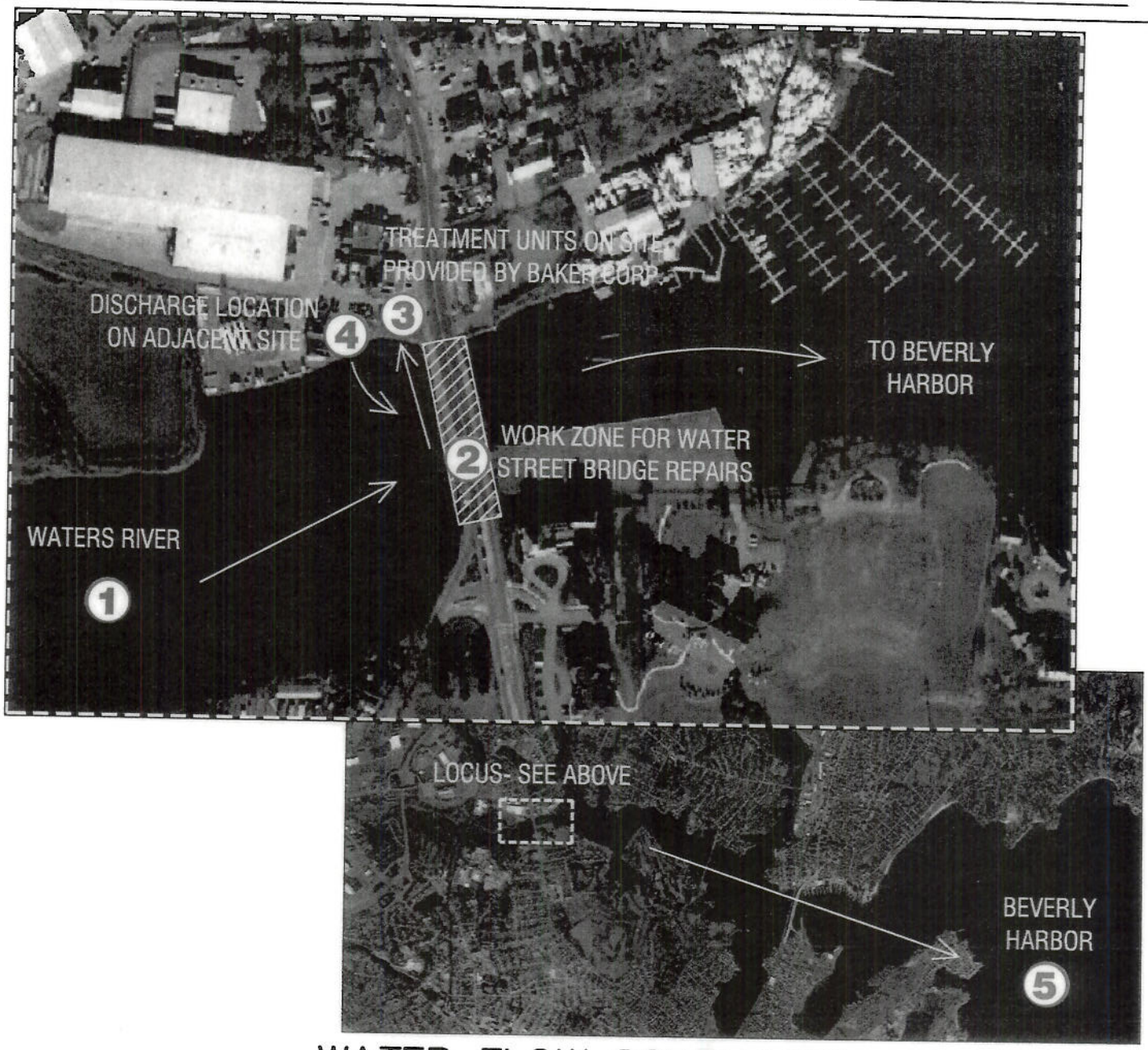
KODIAK, CORPORATION
65 GLENN STREET
LAWRENCE, MASSACHUSETTS 01843
TEL 978.685.0777 | FAX 978.794.1793

JOB: WATER STREET, DANVERS, MA

JOB NUMBER: T0017.28

SKETCH TITLE: WATER FLOW SCHEMATIC

DATE: JULY 7, 2010



WATER FLOW SCHEMATIC
WATER STREET, DANVERS, MA

SCALE: NTS

1. SOURCE OF INTAKE WATER
2. CONTRIBUTING FLOW FROM CONSTRUCTION
3. TREATMENT UNITS
4. DISCHARGE POINT
5. RECEIVING WATER

LABORATORY REPORT FOR INITIAL WATER TESTING

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID:	North Well	Trip Blank
Lab Sample ID:	80472.01	80472.02
Matrix:	aqueous	aqueous
Date Sampled:	7/2/09	6/22/09
Date Received:	7/2/09	7/2/09
Units:	ug/l	ug/l
Date of Analysis:	7/6/09	7/6/09
Analyst:	KJP	KJP
Method:	8260B	8260B
Dilution Factor:	1	1
Dichlorodifluoromethane	< 5	< 5
Chloromethane	< 2	< 2
Vinyl chloride	< 2	< 2
Bromomethane	< 2	< 2
Chloroethane	< 5	< 5
Trichlorofluoromethane	< 5	< 5
Diethyl Ether	< 5	< 5
Acetone	< 10	< 10
1,1-Dichloroethene	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30
Methylene chloride	< 5	< 5
Carbon disulfide	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
2,2-Dichloropropane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
2-Butanone(MEK)	< 10	< 10
Bromochloromethane	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,1-Dichloropropene	< 2	< 2
Benzene	< 1	< 1
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Dibromomethane	< 2	< 2
Bromodichloromethane	< 0.5	< 0.5
4-Methyl-2-pentanone(MIBK)	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2
Toluene	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2
2-Hexanone	< 10	< 10
Tetrachloroethene	< 2	< 2
1,3-Dichloropropane	< 2	< 2
Dibromochloromethane	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2
Chlorobenzene	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2
Ethylbenzene	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID:	North Well	Trip Blank
Lab Sample ID:	80472.01	80472.02
Matrix:	aqueous	aqueous
Date Sampled:	7/2/09	6/22/09
Date Received:	7/2/09	7/2/09
Units:	ug/l	ug/l
Date of Analysis:	7/6/09	7/6/09
Analyst:	KJP	KJP
Method:	8260B	8260B
Dilution Factor:	1	1
mp-Xylene	< 1	< 1
o-Xylene	< 1	< 1
Styrene	< 1	< 1
Bromoform	< 2	< 2
IsoPropylbenzene	< 1	< 1
Bromobenzene	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2
n-Propylbenzene	< 1	< 1
2-Chlorotoluene	< 2	< 2
4-Chlorotoluene	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1
tert-Butylbenzene	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1
sec-Butylbenzene	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1
p-Isopropyltoluene	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1
n-Butylbenzene	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2
1,2,4-Trichlorobenzene	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5
Naphthalene	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1
4-Bromofluorobenzene (surr)	**93 %R**	**96 %R**
1,2-Dichlorobenzene-d4 (surr)	**101 %R**	**103 %R**
Toluene-d8 (surr)	**96 %R**	**95 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 80472 **Batch ID:**

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Meth
Dichlorodifluoromethane	< 5			7/6/2009	ug/l			826
Chloromethane	< 2			7/6/2009	ug/l			826
Vinyl chloride	< 2			7/6/2009	ug/l			826
Bromomethane	< 2			7/6/2009	ug/l			826
Chloroethane	< 5			7/6/2009	ug/l			826
Trichlorofluoromethane	< 5			7/6/2009	ug/l			826
Diethyl Ether	< 5			7/6/2009	ug/l			826
Acetone	< 10			7/6/2009	ug/l			826
1,1-Dichloroethene	< 1	16 (82 %R)	19 (95 %R) (15 RPD)	7/6/2009	ug/l	61 - 145	20	826
tert-Butyl Alcohol (TBA)	< 30			7/6/2009	ug/l			826
Methylene chloride	< 5			7/6/2009	ug/l			826
Carbon disulfide	< 5			7/6/2009	ug/l			826
Methyl-t-butyl ether(MTBE)	< 5			7/6/2009	ug/l			826
Ethyl-t-butyl ether(ETBE)	< 5			7/6/2009	ug/l			826
Isopropyl ether(DIPE)	< 5			7/6/2009	ug/l			826
tert-amyl methyl ether(TAME)	< 5			7/6/2009	ug/l			826
trans-1,2-Dichloroethene	< 2			7/6/2009	ug/l			826
1,1-Dichloroethane	< 2			7/6/2009	ug/l			826
2,2-Dichloropropane	< 2			7/6/2009	ug/l			826
cis-1,2-Dichloroethene	< 2			7/6/2009	ug/l			826
2-Butanone(MEK)	< 10			7/6/2009	ug/l			826
Bromochloromethane	< 2			7/6/2009	ug/l			826
Tetrahydrofuran(THF)	< 10			7/6/2009	ug/l			826
Chloroform	< 2			7/6/2009	ug/l			826
1,1,1-Trichloroethane	< 2			7/6/2009	ug/l			826
Carbon tetrachloride	< 2			7/6/2009	ug/l			826
1,1-Dichloropropene	< 2			7/6/2009	ug/l			826
Benzene	< 1	18 (89 %R)	20 (100 %R) (12 RPD)	7/6/2009	ug/l	76 - 127	20	826
1,2-Dichloroethane	< 2			7/6/2009	ug/l			826
Trichloroethene	< 2	17 (84 %R)	20 (98 %R) (15 RPD)	7/6/2009	ug/l	71 - 120	20	826
1,2-Dichloropropane	< 2			7/6/2009	ug/l			826
Dibromomethane	< 2			7/6/2009	ug/l			826
Bromodichloromethane	< 0.5			7/6/2009	ug/l			826
4-Methyl-2-pentanone(MIBK)	< 10			7/6/2009	ug/l			826
cis-1,3-Dichloropropene	< 2			7/6/2009	ug/l			826
Toluene	< 1	18 (90 %R)	20 (100 %R) (11 RPD)	7/6/2009	ug/l	76 - 125	20	826
trans-1,3-Dichloropropene	< 2			7/6/2009	ug/l			826
1,1,2-Trichloroethane	< 2			7/6/2009	ug/l			8260
2-Hexanone	< 10			7/6/2009	ug/l			8260
Tetrachloroethene	< 2			7/6/2009	ug/l			8260
1,3-Dichloropropane	< 2			7/6/2009	ug/l			8260
Dibromochloromethane	< 2			7/6/2009	ug/l			8260
1,2-Dibromoethane(EDB)	< 2			7/6/2009	ug/l			8260
Chlorobenzene	< 2	18 (90 %R)	20 (98 %R) (9 RPD)	7/6/2009	ug/l	75 - 130	20	8260

QC REPORT

Eastern Analytical, Inc. ID#: 80472 **Batch ID:**

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Meth
1,1,1,2-Tetrachloroethane	< 2			7/6/2009	ug/l			826
Ethylbenzene	< 1			7/6/2009	ug/l			826
mp-Xylene	< 1			7/6/2009	ug/l			826
o-Xylene	< 1			7/6/2009	ug/l			826
Styrene	< 1			7/6/2009	ug/l			826
Bromoform	< 2			7/6/2009	ug/l			826
IsoPropylbenzene	< 1			7/6/2009	ug/l			826
Bromobenzene	< 2			7/6/2009	ug/l			826
1,1,2,2-Tetrachloroethane	< 2			7/6/2009	ug/l			826
1,2,3-Trichloropropane	< 2			7/6/2009	ug/l			826
n-Propylbenzene	< 1			7/6/2009	ug/l			826
2-Chlorotoluene	< 2			7/6/2009	ug/l			826
4-Chlorotoluene	< 2			7/6/2009	ug/l			826
1,3,5-Trimethylbenzene	< 1			7/6/2009	ug/l			826
tert-Butylbenzene	< 1			7/6/2009	ug/l			826
1,2,4-Trimethylbenzene	< 1			7/6/2009	ug/l			826
sec-Butylbenzene	< 1			7/6/2009	ug/l			826
1,3-Dichlorobenzene	< 1			7/6/2009	ug/l			826
p-Isopropyltoluene	< 1			7/6/2009	ug/l			826
1,4-Dichlorobenzene	< 1			7/6/2009	ug/l			826
1,2-Dichlorobenzene	< 1			7/6/2009	ug/l			826
n-Butylbenzene	< 1			7/6/2009	ug/l			826
1,2-Dibromo-3-chloropropane	< 2			7/6/2009	ug/l			826
1,3,5-Trichlorobenzene	< 1			7/6/2009	ug/l			826
1,2,4-Trichlorobenzene	< 1			7/6/2009	ug/l			826
Hexachlorobutadiene	< 0.5			7/6/2009	ug/l			826
Naphthalene	< 5			7/6/2009	ug/l			826
1,2,3-Trichlorobenzene	< 1			7/6/2009	ug/l			826
4-Bromofluorobenzene (surr)	95 %R	108 %R	110 %R	7/6/2009	% Rec	86 - 115	50	826
1,2-Dichlorobenzene-d4 (surr)	102 %R	99 %R	94 %R	7/6/2009	% Rec	80 - 120	50	826
Toluene-d8 (surr)	97 %R	97 %R	98 %R	7/6/2009	% Rec	70 - 130	50	826

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
* Flagged analyte recoveries deviated above the QA/QC limits.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID:	North Well	Trip Blank
Lab Sample ID:	80472.01	80472.02
Matrix:	aqueous	aqueous
Date Sampled:	7/2/09	6/22/09
Date Received:	7/2/09	7/2/09
Units:	ug/l	ug/l
Date of Analysis:	7/2/09	7/10/09
Analyst:	VG	VG
Method:	8260B SIM	8260B SIM
Dilution Factor:	1	1
1,4-Dioxane	< 1	< 1
4-Bromofluorobenzene (surr)	**102 %R**	**118 %R**
Toluene-d8 (surr)	**100 %R**	**104 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
1,4-Dioxane	< 1	5 (96 %R)	5 (98 %R) (2 RPD)	ug/l	7/2/09	70 - 130	20	8260B SI
4-Bromofluorobenzene	107 %R	106 %R	106 %R	% Rec	7/2/09	70 - 130	50	8260B SI
Toluene-d8 (surr)	100 %R	102 %R	101 %R	% Rec	7/2/09	70 - 130	50	8260B SI

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
* Flagged analyte recoveries deviated above the QA/QC limits.

QC REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
1,4-Dioxane	< 1	4 (89 %R)	5 (102 %R) (14 RPD)	ug/l	7/10/09	70 - 130	20	8260B SI
4-Bromofluorobenzene	107 %R	114 %R	119 %R	% Rec	7/10/09	70 - 130	50	8260B SI
Toluene-d8 (surr)	102 %R	104 %R	106 %R	% Rec	7/10/09	70 - 130	50	8260B SI

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
* Flagged analyte recoveries deviated above the QA/QC limits.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID:	North Well
Lab Sample ID:	80472.01
Matrix:	aqueous
Date Sampled:	7/2/09
Date Received:	7/2/09
Units:	ug/l
Date of Extraction/Preparation	7/2/09
Date of Analysis:	7/6/09
Analyst:	BML
Method:	8270D
Dilution Factor:	1
Phenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4,5-Trichlorophenol	< 1
2,4,6-Trichlorophenol	< 1
Pentachlorophenol	< 5
2-Nitrophenol	< 1
4-Nitrophenol	< 5
2,4-Dinitrophenol	< 5
2-Methylphenol	< 1
3/4-Methylphenol	< 1
2,4-Dimethylphenol	< 1
4-Chloro-3-methylphenol	< 1
4,6-Dinitro-2-methylphenol	< 5
Benzoic Acid	< 5
N-Nitrosodimethylamine	< 1
n-Nitroso-di-n-propylamine	< 1
n-Nitrosodiphenylamine	< 1
bis(2-Chloroethyl)ether	< 1
bis(2-chloroisopropyl)ether	< 1
bis(2-Chloroethoxy)methane	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
2-Chloronaphthalene	< 1
4-Chlorophenyl-phenylether	< 1
4-Bromophenyl-phenylether	< 1
Hexachloroethane	< 1
Hexachlorobutadiene	< 1
Hexachlorocyclopentadiene	< 5
Hexachlorobenzene	< 1
4-Chloroaniline	< 1
2-Nitroaniline	< 5
3-Nitroaniline	< 1
4-Nitroaniline	< 1
Benzyl alcohol	< 1
Nitrobenzene	< 1
Isophorone	< 1
2,4-Dinitrotoluene	< 1
2,6-Dinitrotoluene	< 1
Benzidine	< 5
3,3'-Dichlorobenzidine	< 1
Pyridine	< 5
Azobenzene	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID:	North Well
Lab Sample ID:	80472.01
Matrix:	aqueous
Date Sampled:	7/2/09
Date Received:	7/2/09
Units:	ug/l
Date of Extraction/Preparation	7/2/09
Date of Analysis:	7/6/09
Analyst:	BML
Method:	8270D
Dilution Factor:	1
Carbazole	< 1
Dimethylphthalate	< 1
Diethylphthalate	< 1
Di-n-butylphthalate	< 5
Butylbenzylphthalate	< 1
bis(2-Ethylhexyl)phthalate – 6/ML RQ	< 5
Di-n-octylphthalate	< 1
Dibenzofuran	< 1
Naphthalene	< 0.1
2-Methylnaphthalene	< 0.1
Acenaphthylene	< 0.1
Acenaphthene	< 0.1
Fluorene	< 0.1
Phenanthrene	< 0.1
Anthracene	< 0.1
Fluoranthene	**0.1**
Pyrene	**0.1**
Benzo[a]anthracene	**0.1**
Chrysene	< 0.1
Benzo[b]fluoranthene	< 0.1
Benzo[k]fluoranthene	< 0.1
Benzo[a]pyrene	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1
Dibenz[a,h]anthracene	< 0.1
Benzo[g,h,i]perylene	< 0.1
2-Fluorophenol (surr)	**62 %R**
Phenol-d6 (surr)	**41 %R**
2,4,6-Tribromophenol (surr)	**109 %R**
Nitrobenzene-D5 (surr)	**96 %R**
2-Fluorobiphenyl (surr)	**96 %R**
p-Terphenyl-D14 (surr)	**114 %R**

QC REPORT

Eastern Analytical, Inc. ID#: 80472 **Batch ID:**

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Meth
Phenol	< 1	11 (43 %R)	10 (41 %R) (5 RPD)	7/6/2009	ug/l	12 - 110	42	827
2-Chlorophenol	< 1	22 (89 %R)	21 (86 %R) (3 RPD)	7/6/2009	ug/l	27 - 123	40	827
2,4-Dichlorophenol	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
2,4,5-Trichlorophenol	< 1	21 (%R)	21 (%R) (RPD)	7/6/2009	ug/l			827
2,4,6-Trichlorophenol	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
Pentachlorophenol	< 5	16 (65 %R)	17 (67 %R) (3 RPD)	7/6/2009	ug/l	9 - 103	50	827
2-Nitrophenol	< 1	23 (%R)	23 (%R) (RPD)	7/6/2009	ug/l			827
4-Nitrophenol	< 5	9 (36 %R)	9 (37 %R) (3 RPD)	7/6/2009	ug/l	10 - 80	50	827
2,4-Dinitrophenol	< 5	17 (%R)	18 (%R) (RPD)	7/6/2009	ug/l			827
2-Methylphenol	< 1	20 (%R)	19 (%R) (RPD)	7/6/2009	ug/l			827
3/4-Methylphenol	< 1	17 (%R)	16 (%R) (RPD)	7/6/2009	ug/l			827
2,4-Dimethylphenol	< 1	21 (%R)	19 (%R) (RPD)	7/6/2009	ug/l			827
4-Chloro-3-methylphenol	< 1	24 (95 %R)	24 (95 %R) (0 RPD)	7/6/2009	ug/l	23 - 97	42	827
4,6-Dinitro-2-methylphenol	< 5	19 (%R)	20 (%R) (RPD)	7/6/2009	ug/l			827
Benzoic Acid	< 5			7/6/2009	ug/l			827
N-Nitrosodimethylamine	< 1	14 (%R)	14 (%R) (RPD)	7/6/2009	ug/l			827
n-Nitroso-di-n-propylamine	< 1	23 (92 %R)	23 (93 %R) (1 RPD)	7/6/2009	ug/l	41 - 116	38	827
n-Nitrosodiphenylamine	< 1	27 (%R)	28 (%R) (RPD)	7/6/2009	ug/l			827
bis(2-Chloroethyl)ether	< 1	23 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
bis(2-chloroisopropyl)ether	< 1	23 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
bis(2-Chloroethoxy)methane	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
1,3-Dichlorobenzene	< 1	19 (%R)	18 (%R) (RPD)	7/6/2009	ug/l			827
1,4-Dichlorobenzene	< 1	20 (79 %R)	19 (76 %R) (4 RPD)	7/6/2009	ug/l	36 - 97	28	827
1,2-Dichlorobenzene	< 1	21 (%R)	20 (%R) (RPD)	7/6/2009	ug/l			827
1,2,4-Trichlorobenzene	< 1	21 (83 %R)	20 (80 %R) (4 RPD)	7/6/2009	ug/l	39 - 98	28	827
2-Chloronaphthalene	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
4-Chlorophenyl-phenylether	< 1	23 (%R)	23 (%R) (RPD)	7/6/2009	ug/l			827
4-Bromophenyl-phenylether	< 1	23 (%R)	23 (%R) (RPD)	7/6/2009	ug/l			827
Hexachloroethane	< 1	18 (%R)	18 (%R) (RPD)	7/6/2009	ug/l			827
Hexachlorobutadiene	< 1	18 (%R)	17 (%R) (RPD)	7/6/2009	ug/l			827
Hexachlorocyclopentadiene	< 5	15 (%R)	15 (%R) (RPD)	7/6/2009	ug/l			827
Hexachlorobenzene	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
4-Chloroaniline	< 1	24 (%R)	23 (%R) (RPD)	7/6/2009	ug/l			827
2-Nitroaniline	< 5	23 (%R)	23 (%R) (RPD)	7/6/2009	ug/l			827
3-Nitroaniline	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
4-Nitroaniline	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
Benzyl alcohol	< 1	22 (%R)	21 (%R) (RPD)	7/6/2009	ug/l			827
Nitrobenzene	< 1	23 (%R)	23 (%R) (RPD)	7/6/2009	ug/l			827
Isophorone	< 1	26 (%R)	26 (%R) (RPD)	7/6/2009	ug/l			827
2,4-Dinitrotoluene	< 1	* 24 (98 %R)	* 25 (98 %R) (0 RPD)	7/6/2009	ug/l	24 - 96	38	827
2,6-Dinitrotoluene	< 1	25 (%R)	25 (%R) (RPD)	7/6/2009	ug/l			827
Benzidine	< 5	37 (%R)	35 (%R) (RPD)	7/6/2009	ug/l			827
3,3'-Dichlorobenzidine	< 1	25 (%R)	25 (%R) (RPD)	7/6/2009	ug/l			827
Pyridine	< 5	15 (%R)	15 (%R) (RPD)	7/6/2009	ug/l			827
Azobenzene	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827

QC REPORT

Eastern Analytical, Inc. ID#: 80472 **Batch ID:**

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Metho
Carbazole	< 1	24 (%R)	24 (%R) (RPD)	7/6/2009	ug/l			827
Dimethylphthalate	< 1	24 (%R)	24 (%R) (RPD)	7/6/2009	ug/l			827
Diethylphthalate	< 1	25 (%R)	25 (%R) (RPD)	7/6/2009	ug/l			827
Di-n-butylphthalate	< 5	25 (%R)	25 (%R) (RPD)	7/6/2009	ug/l			827
Butylbenzylphthalate	< 1	27 (%R)	26 (%R) (RPD)	7/6/2009	ug/l			827
bis(2-Ethylhexyl)phthalate	< 5	27 (%R)	26 (%R) (RPD)	7/6/2009	ug/l			827
Di-n-octylphthalate	< 1	25 (%R)	25 (%R) (RPD)	7/6/2009	ug/l			827
Dibenzofuran	< 1	22 (%R)	22 (%R) (RPD)	7/6/2009	ug/l			827
Naphthalene	< 0.1	22 (86 %R)	21 (84 %R) (2 RPD)	7/6/2009	ug/l	30 - 160	50	827
2-Methylnaphthalene	< 0.1	21 (84 %R)	21 (83 %R) (1 RPD)	7/6/2009	ug/l	30 - 160	50	827
Acenaphthylene	< 0.1	24 (95 %R)	23 (93 %R) (2 RPD)	7/6/2009	ug/l	30 - 160	50	827
Acenaphthene	< 0.1	23 (92 %R)	23 (90 %R) (2 RPD)	7/6/2009	ug/l	46 - 118	31	827
Fluorene	< 0.1	24 (94 %R)	24 (94 %R) (0 RPD)	7/6/2009	ug/l	30 - 160	50	827
Phenanthrene	< 0.1	22 (90 %R)	23 (91 %R) (1 RPD)	7/6/2009	ug/l	30 - 160	50	827
Anthracene	< 0.1	22 (90 %R)	23 (91 %R) (1 RPD)	7/6/2009	ug/l	30 - 160	50	827
Fluoranthene	< 0.1	23 (91 %R)	23 (91 %R) (0 RPD)	7/6/2009	ug/l	30 - 160	50	827
Pyrene	< 0.1	25 (100 %R)	25 (100 %R) (0 RPD)	7/6/2009	ug/l	26 - 127	31	827
Benzo[a]anthracene	< 0.1	23 (94 %R)	23 (91 %R) (3 RPD)	7/6/2009	ug/l	30 - 160	50	827
Chrysene	< 0.1	25 (98 %R)	24 (95 %R) (3 RPD)	7/6/2009	ug/l	30 - 160	50	827
Benzo[b]fluoranthene	< 0.1	26 (104 %R)	25 (101 %R) (3 RPD)	7/6/2009	ug/l	30 - 160	50	827
Benzo[k]fluoranthene	< 0.1	25 (100 %R)	24 (97 %R) (3 RPD)	7/6/2009	ug/l	30 - 160	50	827
Benzo[a]pyrene	< 0.1	26 (102 %R)	25 (100 %R) (2 RPD)	7/6/2009	ug/l	30 - 160	50	827
Indeno[1,2,3-cd]pyrene	< 0.1	26 (104 %R)	25 (101 %R) (3 RPD)	7/6/2009	ug/l	30 - 160	50	827
Dibenz[a,h]anthracene	< 0.1	26 (104 %R)	25 (102 %R) (2 RPD)	7/6/2009	ug/l	30 - 160	50	827
Benzo[g,h,i]perylene	< 0.1	26 (102 %R)	25 (99 %R) (3 RPD)	7/6/2009	ug/l	30 - 160	50	827
2-Fluorophenol (surr)	58 %R	58 %R	56 %R	7/6/2009	% Rec	21 - 110		827
Phenol-d6 (surr)	40 %R	41 %R	39 %R	7/6/2009	% Rec	10 - 94		827
2,4,6-Tribromophenol (surr)	94 %R	98 %R	99 %R	7/6/2009	% Rec	10 - 123		827
Nitrobenzene-D5 (surr)	95 %R	97 %R	95 %R	7/6/2009	% Rec	35 - 114		827
2-Fluorobiphenyl (surr)	93 %R	91 %R	89 %R	7/6/2009	% Rec	43 - 116		827
p-Terphenyl-D14 (surr)	111 %R	106 %R	104 %R	7/6/2009	% Rec	33 - 141		827

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
* Flagged analyte recoveries deviated above the QA/QC limits.

2,4-Dinitrotoluene deviated above the QA/QC limit within the LCS and LCSD.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID: North Well

Lab Sample ID: 80472.01
Matrix: aqueous
Date Sampled: 7/2/09
Date Received: 7/2/09

		Units	Analysis Date	Time	Method A
TPH(SGTHEM)	<.5	mg/L	7/06/09	9:25	1664A

QC REPORT

Eastern Analytical, Inc. ID#: 80472 **Batch ID:** 733594-47143/A070609TPH16

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Meth
TPH(SGTHEM)	< 5	19 (96 %R)	19 (97 %R) (1 RPD)	7/6/2009	mg/L	64 - 132	34	16

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
* Flagged analyte recoveries deviated above the QA/QC limits.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID:	North Well
Lab Sample ID:	80472.01
Matrix:	aqueous
Date Sampled:	7/2/09
Date Received:	7/2/09
% Solid:	
Units:	ug/l
Date of Extraction/Prep:	7/9/09
Date of Analysis:	7/9/09
Analyst:	JW
Extraction Method:	608/3510C
Analysis Method:	608
Dilution Factor:	1
PCB-1016	< 1
PCB-1221	< 1
PCB-1232	< 1
PCB-1242	< 1
PCB-1248	< 1
PCB-1254	< 1
PCB-1260	< 1
TMX (surr)	87 %R
DCB (surr)	94 %R

QC REPORT

Eastern Analytical, Inc. ID#: 80472 **Batch ID:** 733597-51789/A070909E608

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Meth
PCB-1016	< 1	4 (90 %R)	4 (95 %R) (5 RPD)	7/9/2009	ug/l	40 - 140	50	
PCB-1221	< 1	< 1 (%R N/A)	< 1 (%R N/A) (RPD N/A)	7/9/2009	ug/l			
PCB-1232	< 1	< 1 (%R N/A)	< 1 (%R N/A) (RPD N/A)	7/9/2009	ug/l			
PCB-1242	< 1	< 1 (%R N/A)	< 1 (%R N/A) (RPD N/A)	7/9/2009	ug/l			
PCB-1248	< 1	< 1 (%R N/A)	< 1 (%R N/A) (RPD N/A)	7/9/2009	ug/l			
PCB-1254	< 1	< 1 (%R N/A)	< 1 (%R N/A) (RPD N/A)	7/9/2009	ug/l			
PCB-1260	< 1	3 (85 %R)	4 (96 %R) (12 RPD)	7/9/2009	ug/l	40 - 140	50	
TMX (surr)	89 %R	89 %R	94 %R		% Rec	30 - 150		
DCB (surr)	96 %R	97 %R	105 %R		% Rec	30 - 150		

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
* Flagged analyte recoveries deviated above the QA/QC limits.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID: North Well

Lab Sample ID: 80472.01
Matrix: aqueous
Date Sampled: 7/2/09
Date Received: 7/2/09

			Analysis			
		Units	Date	Time	Method	An
Solids Suspended	33	mg/L	7/07/09	8:30	2540D	
Cyanide Total	< 0.01	mg/L	7/06/09	10:00	4500CNE	
Total Residual Chlorine	< 0.5	mg/L	7/02/09	11:30	4500ClG	

QC REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Meth
Solids Suspended	< 2	94 (94 %R)		mg/L	7/7/09	90 - 110	20	25
Cyanide Total	< 0.01	0.22 (86 %R)	NA	mg/L	7/6/09	85 - 115	20	4500(
Total Residual Chlorine	< 0.5	0.9 (98 %R)	0.22 (90 %R) (5 RPD)	mg/L	7/2/09	80 - 120	20	4500
			NA					

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Meth
Solids Suspended		NA	NA	NA	mg/L	7/7/09		20	25
Cyanide Total	80472.01	< 0.01	0.20 (97 %R)	0.20 (99 %R) (2 RPD)	mg/L	7/6/09	80-120	20	4500(
Total Residual Chlorine		NA	NA	NA	mg/L	7/2/09		20	4500

Parameter Name	Duplicate Parent ID	Duplicate Parent	Duplicate	Units	Date of Analysis	RPD	Metho
Solids Suspended	80507.01	12	13 (4 RPD)	mg/L	7/7/09	20	254
Cyanide Total		NA	NA	mg/L	7/6/09	20	4500C
Total Residual Chlorine	80171.09	0.90	0.9 (5 RPD)	mg/L	7/2/09	20	4500(

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
* Flagged analyte recoveries deviated above the QA/QC limits.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Sample ID: North Well

Lab Sample ID: 80472.01
Matrix: aqueous
Date Sampled: 7/2/09
Date Received: 7/2/09

		Analytical Matrix	Units	Date of Analysis	Method	Analy
Chromium (III)	< 0.01	AqTot	mg/L	7/2/09	200.8	D
Chromium (VI)	< 0.01	AqTot	mg/L	7/2/09	7196A	D
Antimony	**0.003** Y	AqTot	mg/L	7/8/09	200.8	D
Arsenic	**0.059** Y	AqTot	mg/L	7/8/09	200.8	D
Cadmium	**0.0003** Y	AqTot	mg/L	7/8/09	200.8	D
Chromium	**0.003**	AqTot	mg/L	7/8/09	200.8	D
Copper	**0.006** J	AqTot	mg/L	7/8/09	200.8	D
Iron	**0.16**	AqTot	mg/L	7/8/09	200.8	D
Lead	**0.0012**	AqTot	mg/L	7/8/09	200.8	D
Mercury	< 0.0001	AqTot	mg/L	7/8/09	200.8	D
Nickel	**0.013**	AqTot	mg/L	7/8/09	200.8	D
Selenium	**0.033** J	AqTot	mg/L	7/8/09	200.8	D
Silver	**0.0008**	AqTot	mg/L	7/8/09	200.8	D
Zinc	< 0.005	AqTot	mg/L	7/8/09	200.8	D

QC REPORT

Eastern Analytical, Inc. ID#: 80472

Client: **Contractors Risk Management** Client Designation: **NOI RGP - Appendix III | Kodiak Danvers**

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Metho
Antimony	< 0.001	1.0 (100 %R)		mg/L	7/8/09	85 - 115	20	20(
Arsenic	< 0.0001	1.1 (106 %R)		mg/L	7/8/09	85 - 115	20	20(
Cadmium	< 0.0001	1.0 (103 %R)		mg/L	7/8/09	85 - 115	20	20(
Chromium	< 0.001	0.99 (99 %R)		mg/L	7/8/09	85 - 115	20	20(
Copper	< 0.001	0.93 (93 %R)		mg/L	7/8/09	85 - 115	20	20(
Iron	< 0.05	10 (94 %R)		mg/L	7/8/09	85 - 115	20	20(
Lead	< 0.0001	1.1 (106 %R)		mg/L	7/8/09	85 - 115	20	20(
Mercury	< 0.0001	.0022 (111 %R)		mg/L	7/8/09	85 - 115	20	20(
Nickel	< 0.001	0.99 (99 %R)		mg/L	7/8/09	85 - 115	20	20(
Selenium	< 0.001	1.0 (102 %R)		mg/L	7/8/09	85 - 115	20	20(
Silver	< 0.0001	1.1 (114 %R)		mg/L	7/8/09	85 - 115	20	20(
Zinc	< 0.005	0.87 (87 %R)		mg/L	7/8/09	85 - 115	20	20(
Chromium (VI)	< 0.01	0.23 (102 %R)		mg/L	7/2/09	95 - 105	20	719(

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Metho
Antimony	80406.01	< 0.001	1.3 (127 %R)	1.3 (128 %R) (1 RPD)	mg/L	7/8/09	70-130	20	20(
Arsenic	80406.01	0.0017	1.1 (107 %R)	1.1 (106 %R) (1 RPD)	mg/L	7/8/09	70-130	20	20(
Cadmium	80406.01	< 0.001	1.1 (105 %R)	1.0 (104 %R) (1 RPD)	mg/L	7/8/09	70-130	20	20(
Chromium	80406.01	< 0.001	1.2 (118 %R)	1.2 (119 %R) (1 RPD)	mg/L	7/8/09	70-130	20	20(
Copper	80406.01	0.006	1.0 (103 %R)	1.1 (105 %R) (2 RPD)	mg/L	7/8/09	70-130	20	20(
Iron	80406.01	0.57	12 (103 %R)	12 (104 %R) (1 RPD)	mg/L	7/8/09	70-130	20	20(
Lead	80406.01	< 0.001	1.2 (122 %R)	1.2 (120 %R) (2 RPD)	mg/L	7/8/09	70-130	20	20(
Mercury	80406.01	< 0.0001	0.0012 (122 %R)	.0012 (118 %R) (3 RPD)	mg/L	7/8/09	70-130	20	20(
Nickel	80406.01	0.0022	0.96 (96 %R)	0.96 (96 %R) (0 RPD)	mg/L	7/8/09	70-130	20	20(
Selenium	80406.01	< 0.0005	1.1 (108 %R)	1.0 (103 %R) (5 RPD)	mg/L	7/8/09	70-130	20	20(
Silver	80406.01	< 0.001	1.2 (115 %R)	1.1 (115 %R) (0 RPD)	mg/L	7/8/09	70-130	20	20(
Zinc	80406.01	0.019	0.83 (81 %R)	0.84 (82 %R) (1 RPD)	mg/L	7/8/09	70-130	20	20(
Chromium (VI)	80472.01	< 0.01	0.20 (100 %R)	0.20 (99 %R) (1 RPD)	mg/L	7/2/09	90-110	20	719(

Samples were analyzed within holding times unless noted on the sample results page.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
* Flagged analyte recoveries deviated above the QA/QC limits.