BUCK
ENGINEERING, LLC
consulting environmental engineers

February 3, 2009

Mr. Thomas Conrad
SCWP, LLC
839 NYS Route 13
Cortland, NY 13045

Re: SCWP Remediation Outfall Monitoring –January 2009

Dear Tom:

Enclosed are the laboratory reports resulting from samples obtained from three locations (the tower influent, the tower discharge, and the outfall at the cascade) for the month of January 2009. Also enclosed are spreadsheets and graphs that display the data for these sites. For clarity, only the previous 12 months data are graphed. We are also including a table of selected groundwater depths for general reference.

The TCE results were:

System Influent-	6.2 ug/l
Tower Discharge-	3.5 ug/l
Cascade Outfall-	1.5 ug/l

All parameters meet operational guidelines established in Kevin Delaney's (NYSDEC) correspondence of May 10, 2001. Please let me know if there are any questions with the submittal.

Sincerely,

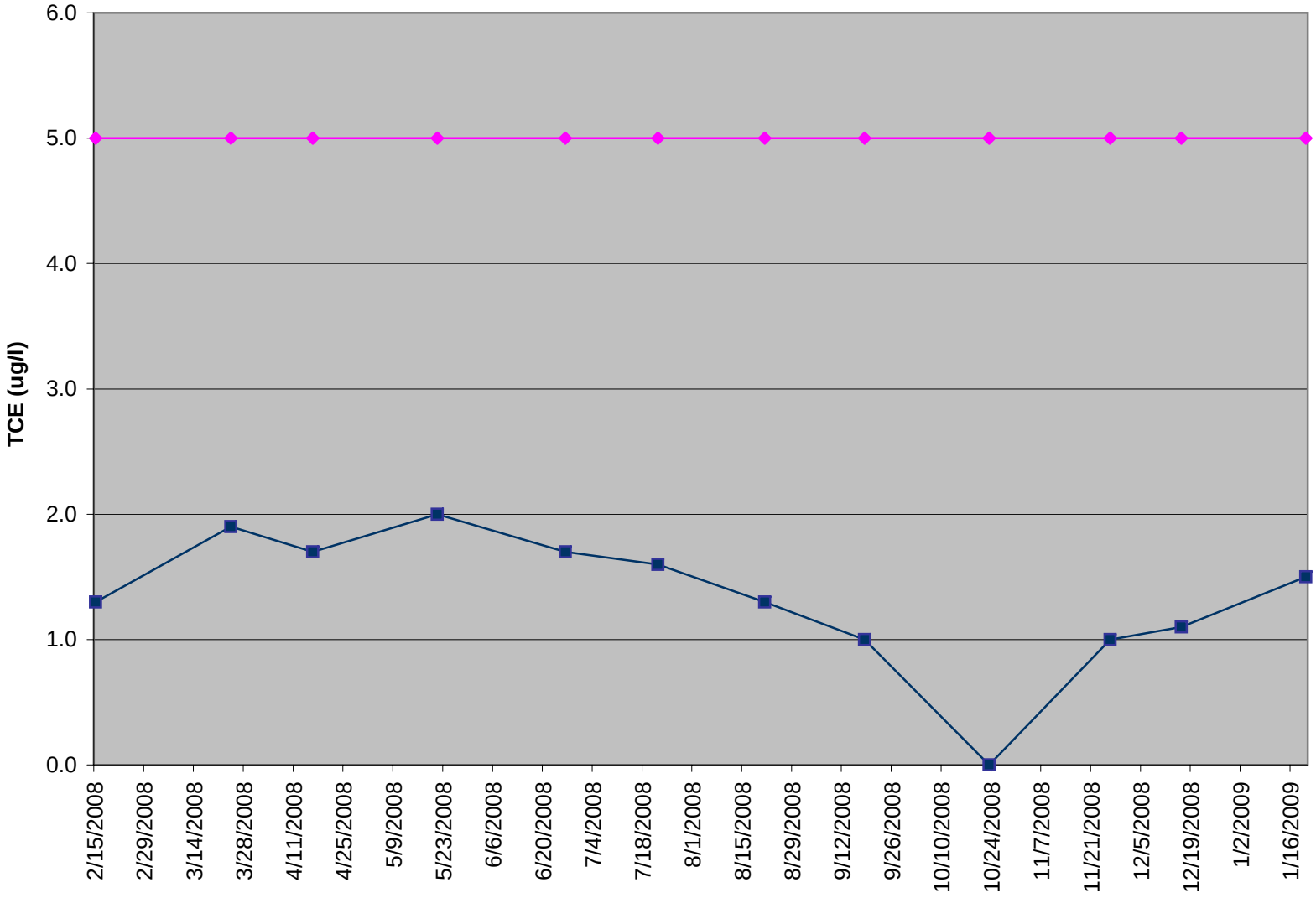
John H. Buck, P.E.
Principal Engineer

Electronic mail copies:

T. Festa (NYSDEC)
C. Cuipylo (NYSDEC)
P. Reidy (CCS&WCD)
J. Helgren, P.E. (CCHD)
R. Shafer, Esq. (RSS)
K. Ochs (SCWP)
S. Kalette, Esq. (SCM)

87 CENTRAL AVENUE • P.O. BOX 427
CORTLAND, NY 13045-0427
(607)753-8010 • FAX (607)753-8037

Cascade Outfall



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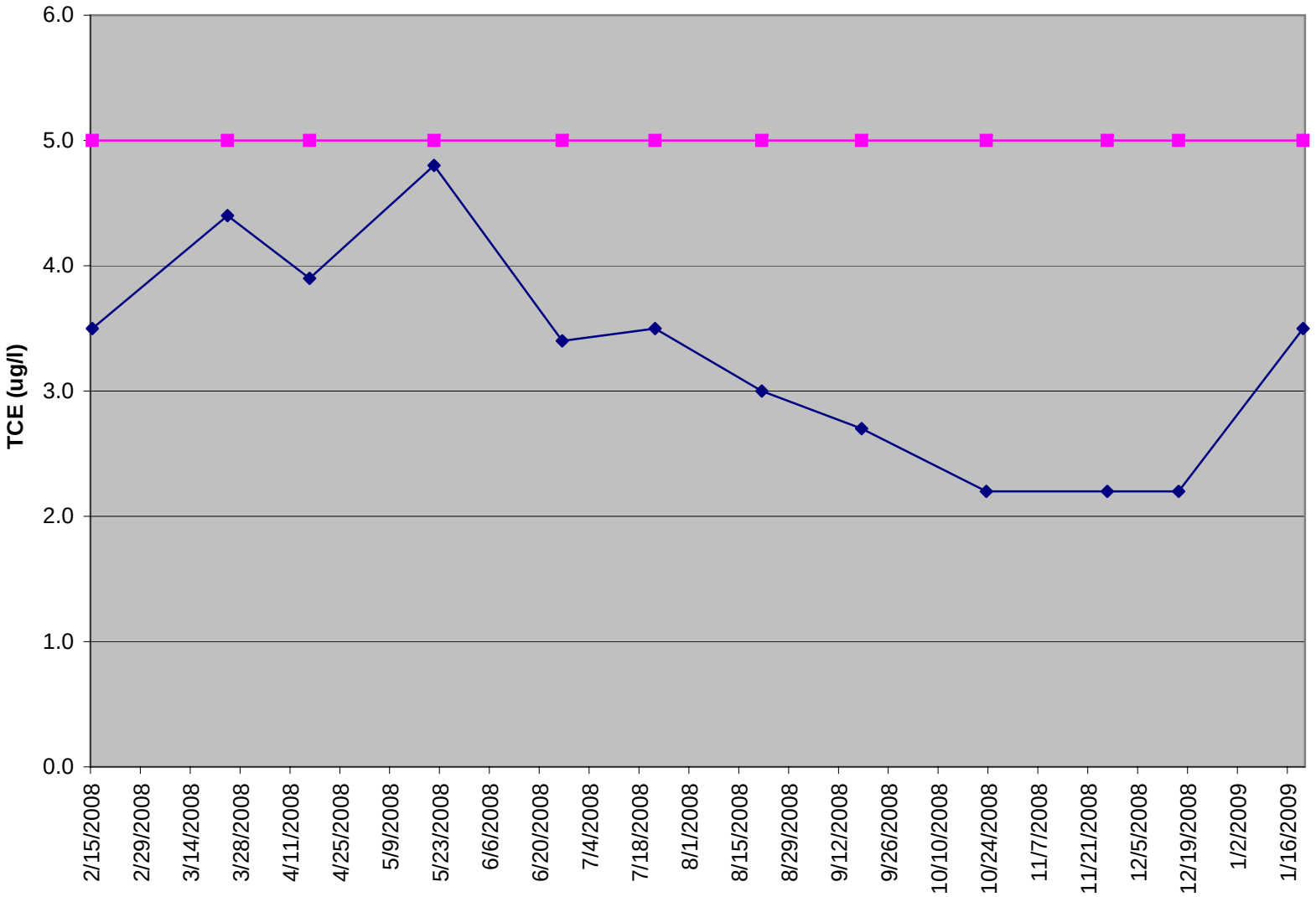
Tower Discharge



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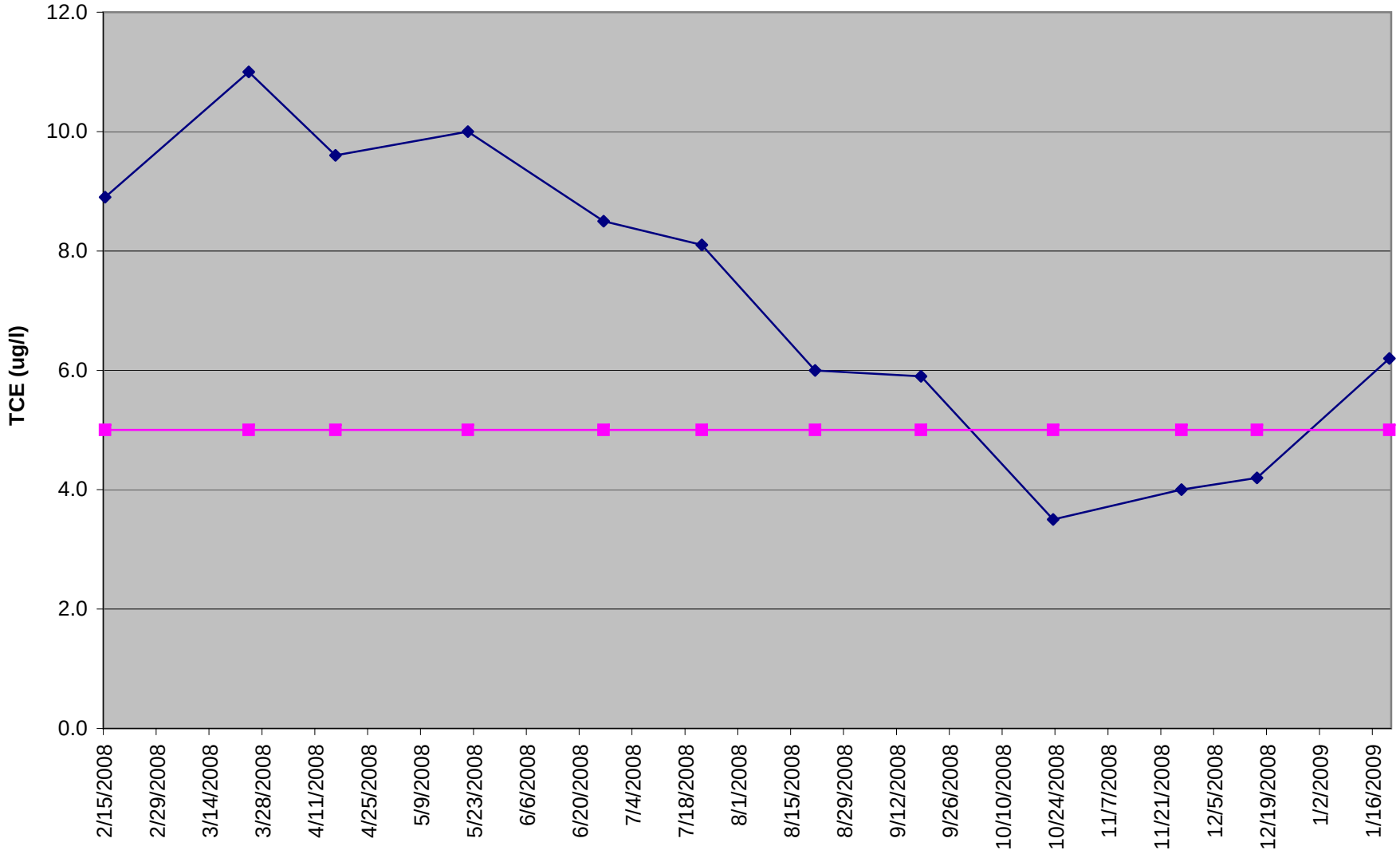
Tower Influent



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SCWP Monthly Groundwater Depths

	12/5/2005	11/20/2006	11/27/2007	2/15/2008	3/24/2008	4/16/2008	5/21/2008	6/26/2008	7/22/2008	8/21/2008	9/18/2008	10/23/2008	11/26/2008	12/16/2008	1/20/2009
piezometer(inside casing)	ns	1167.71	1163.51	1169.59	1170.79	1170.18	1166.90	1164.28	1163.77	1163.66	1161.67	1158.73	1159.67	1162.64	1166.04
recov well	ns	1166.07	1162.06	1168.35	1169.61	1169.02	1164.84	1162.15	1161.75	1161.77	1159.74	1156.75	1157.64	1160.54	1164.22
MW-2s	1164.86	1167.71	1163.49	ns	1170.73	1170.09	1166.84	1164.24	1163.76	1163.60	1161.62	1158.64	1159.65	1162.60	1166.00

Buck Engineering, LLC
87 Central Ave.
Cortland, NY 13045-0427

John Buck
Buck Engineering, LLC
PO Box 427
87 Central Ave
Cortland, NY 13045

Phone: (607) 753-8010

Laboratory Analysis Report

For

Buck Engineering, LLC

Client Project ID:

SCWP BE7011

LSL Project ID: **0900982**

Receive Date/Time: 01/20/09 15:03

Project Received by: GS

Life Science Laboratories, Inc.

(1) LSL Central Lab, East Syracuse, NY	(315) 445-1105	NYS DOH ELAP #10248 PA DEP #68-2556
(2) LSL North Lab, Waddington, NY	(315) 388-4476	NYS DOH ELAP #10900
(3) LSL Finger Lakes Lab, Wayland, NY	(585) 728-3320	NYS DOH ELAP #11667
(4) LSL Southern Tier Lab, Cuba, NY	(585) 968-2640	NYS DOH ELAP #10760
(5) LSL MidLakes Lab, Canandaigua, NY	(585) 396-0270	NYS DOH ELAP #11369
(6) LSL Brittonfield Lab, East Syracuse, NY	(315) 437-0200	NYS DOH ELAP #10155

This report was reviewed by: Debey Kenyon, QA *Date:* 1/23/09

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 1/23/09

- - LABORATORY ANALYSIS REPORT - -

Buck Engineering, LLC Cortland, NY

Sample ID: System Influent **LSL Sample ID:** 0900982-001
Location:
Sampled: 01/20/09 9:20 **Sampled By:** JRH
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B Volatiles (Partial List)					
1,1,1-Trichloroethane	<1	ug/l		1/21/09	BD
1,1-Dichloroethene	<1	ug/l		1/21/09	BD
1,2-Dichloroethene, Total	<1	ug/l		1/21/09	BD
Trichloroethene	6.2	ug/l		1/21/09	BD
Tetrachloroethene	<1	ug/l		1/21/09	BD
Vinyl chloride	<1	ug/l		1/21/09	BD
Surrogate (1,2-DCA-d4)	102	%R		1/21/09	BD
Surrogate (Tol-d8)	100	%R		1/21/09	BD
Surrogate (4-BFB)	94	%R		1/21/09	BD

Sample ID: Tower Discharge **LSL Sample ID:** 0900982-002
Location:
Sampled: 01/20/09 9:10 **Sampled By:** JRH
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B Volatiles (Partial List)					
1,1,1-Trichloroethane	<1	ug/l		1/21/09	BD
1,1-Dichloroethene	<1	ug/l		1/21/09	BD
1,2-Dichloroethene, Total	<1	ug/l		1/21/09	BD
Trichloroethene	3.5	ug/l		1/21/09	BD
Tetrachloroethene	<1	ug/l		1/21/09	BD
Vinyl chloride	<1	ug/l		1/21/09	BD
Surrogate (1,2-DCA-d4)	105	%R		1/21/09	BD
Surrogate (Tol-d8)	101	%R		1/21/09	BD
Surrogate (4-BFB)	94	%R		1/21/09	BD

Sample ID: Cascade Outfall **LSL Sample ID:** 0900982-003
Location:
Sampled: 01/20/09 8:50 **Sampled By:** JRH
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B Volatiles (Partial List)					
1,1,1-Trichloroethane	<1	ug/l		1/21/09	BD
1,1-Dichloroethene	<1	ug/l		1/21/09	BD
1,2-Dichloroethene, Total	<1	ug/l		1/21/09	BD
Trichloroethene	1.5	ug/l		1/21/09	BD
Tetrachloroethene	<1	ug/l		1/21/09	BD
Vinyl chloride	<1	ug/l		1/21/09	BD
Surrogate (1,2-DCA-d4)	103	%R		1/21/09	BD
Surrogate (Tol-d8)	101	%R		1/21/09	BD
Surrogate (4-BFB)	97	%R		1/21/09	BD

Life Science Laboratories, Inc.

Date Printed: 1/23/09

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield*

-- LABORATORY ANALYSIS REPORT --

Buck Engineering, LLC *Cortland, NY*

Sample ID: Trip Blank **LSL Sample ID:** 0900982-004

Location:

Sampled: 01/20/09 0:00 **Sampled By:**

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B Volatiles (Partial List)					
1,1,1-Trichloroethane	<1	ug/l		1/21/09	BD
1,1-Dichloroethene	<1	ug/l		1/21/09	BD
1,2-Dichloroethene, Total	<1	ug/l		1/21/09	BD
Trichloroethene	<1	ug/l		1/21/09	BD
Tetrachloroethene	<1	ug/l		1/21/09	BD
Vinyl chloride	<1	ug/l		1/21/09	BD
Surrogate (1,2-DCA-d4)	104	%R		1/21/09	BD
Surrogate (Tol-d8)	102	%R		1/21/09	BD
Surrogate (4-BFB)	96	%R		1/21/09	BD

LSL

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057

Chain of Custody Record

0900982
BuckEng

Phone # (315) 445-1105 Telefax # (315) 445-1301

Client: Buck Engineering, LLC Phone # 607-753-8010
Address: POB 427 Fax # 607-753-8037
87 Central Ave.
Cortland, NY 13045-0427

Authorization:

Contact Person: J. Buck

LSL Project #:

Client's Site I.D.: SCWP

Client's Project I.D.: BE 7011

LSL Sample Number	Client's Sample Identifications	Sample Date	Sample Time	Type: grab	Type: comp.	Matrix	Preserv. Added	Containers: #	Containers: size/type	Analyses	Free Cl (mg/L)	Pres. Check
001 AB	System Influent	1-20-09	9:20A	✓		W	HCl	2	40 mL	8260 - see list below		
002	Tower Discharge	1-20-09	9:10A	✓		W	HCl	1	40 mL	↓		
003	Cascade Outfall	1-20-09	8:50	✓		W	HCl	↓	↓	↓		
004 AB	TCA Blank											

Notes and Hazard Identifications:

Reporting Limit = 1.0 mg/L

Analyte List:
Trichloroethene, Tetrachloroethene,
11- Dichloroethene, 12-Dichloroethene,
111 trichloroethane, vinyl chloride

Custody Transfers		Date	Time
Sampled By: John R Hussey	Received By: Bill Donaldson	1-20-09	1905
Relinquished By:	Received By:		
Relinquished By: Bill Donaldson	Received for Lab By:		

Shipment Method:

Samples Received Intact: Y N 8.1°C on Ice