

ENVIROS	Client Project ID: Tiki Car Wash, #930415	Sampled: May 3, 1993
5808 Lk. Washington Blvd. NE	Matrix Descript: Water	Received: May 4, 1993
Kirkland, WA 98033	Analysis Method: WTPH-G	Analyzed: May 14, 1993
Attention: Janette Black	First Sample #: 305-0098	Reported: May 18, 1993

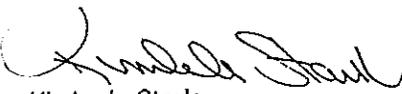
TOTAL PETROLEUM FUEL HYDROCARBONS (WTPH-G)

Sample Number	Sample Description	Volatile Hydrocarbons $\mu\text{g/L}$ (ppb)	Surrogate Recovery %
305-0098	Trip Blank 4/3/93	N.D.	113
305-0099	Field Dup.	140,000	126
305-0100	MW-2	6,900	130
305-0101	MW-5	N.D.	112
305-0102	MW-6	29,000	125
305-0103	MW-7	N.D.	107
305-0104	MW-20 5/4/93	N.D.	114
305-0105	MW-21	N.D.	112
305-0106	MW-23 5/4/93	N.D.	113
305-0107	MW-29	140,000	128

Reporting Limits:

50

4-Bromofluorobenzene Surrogate Recovery Control Limits are 50 - 150 %.
 Volatile Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL inc

 Kimberle Stark
 Project Manager

3050098.ENV <1>



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Phone (206) 481-9200 • FAX (206) 485-2992

ENVIROS	Client Project ID: Tiki Car Wash, #930415	Sampled: May 4, 1993
5808 Lk. Washington Blvd. NE	Matrix Descript: Water	Received: May 4, 1993
Kirkland, WA 98033	Analysis Method: WTPH-G	Analyzed: May 14, 1993
Attention: Janette Black	First Sample #: 305-0108	Reported: May 18, 1993

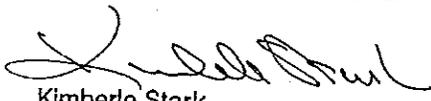
TOTAL PETROLEUM FUEL HYDROCARBONS (WTPH-G)

Sample Number	Sample Description	Volatile Hydrocarbons $\mu\text{g/L}$ (ppb)	Surrogate Recovery %
305-0108	MW-31	N.D.	114
305-0109	MW-33	N.D.	119
BLK051493	Method Blank	N.D.	110

Reporting Limits:	50
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4-Bromofluorobenzene Surrogate Recovery Control Limits are 50 - 150 %.
Volatile Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL inc


Kimberle Stark
Project Manager

ENVIROS 5808 Lk. Washington Blvd. NE Kirkland, WA 98033 Attention: Janette Black	Client Project ID:	Tiki Car Wash, #930415.01	Sampled:	May 6, 1993
	Matrix Descript:	Soil	Received:	May 7, 1993
	Analysis Method:	WTPH-G	Analyzed:	May 18, 1993
	First Sample #:	305-0304	Reported:	May 21, 1993

TOTAL PETROLEUM FUEL HYDROCARBONS (WTPH-G)

Sample Number	Sample Description	Volatile Hydrocarbons mg/kg (ppm)	Surrogate Recovery %
305-0304	BH-1	4.1	125
305-0305	BH-2	N.D.	114
305-0306	BH-3	N.D.	111
305-0307	BH-4	N.D.	107
305-0308	BH-5	47	147
305-0309	BH-6	140	S-3
305-0310	BH-7	9.3	98
305-0311	BH-8	N.D.	107
305-0312	BH-9	90	129
305-0313	BH-10	N.D.	101

Reporting Limits: 1.0

4-Bromofluorobenzene Surrogate Recovery Control Limits are 50 - 150 %.
 Volatile Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
 Analytes reported as N.D. were not detected above the stated Reporting Limit. The results reported above are on a dry weight basis.

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Kimberlie Stark
Project Manager

Please Note:
 S-3 = Due to coelution with hydrocarbon contamination present in the sample, the Surrogate Recovery for this analysis is > 150% and cannot be accurately quantified.

ENVIROS	Client Project ID: Tiki Car Wash, #930415.01	Sampled: May 6, 1993
5808 Lk. Washington Blvd. NE	Matrix Descript: Soil	Received: May 7, 1993
Kirkland, WA 98033	Analysis Method: EPA 5030/8020	Analyzed: May 18, 1993
Attention: Janette Black	First Sample #: 305-0304	Reported: May 21, 1993

BTEX DISTINCTION

Sample Number	Sample Description	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)	Surrogate Recovery %
305-0304	BH-1	N.D.	N.D.	0.21	0.55	121
305-0305	BH-2	N.D.	N.D.	N.D.	N.D.	114
305-0306	BH-3	N.D.	N.D.	N.D.	N.D.	114
305-0307	BH-4	N.D.	N.D.	N.D.	N.D.	112
305-0308	BH-5	0.40	0.11	0.84	7.0	S-3
305-0309	BH-6	0.66	0.26	1.8	13	S-3
305-0310	BH-7	0.74	N.D.	N.D.	0.78	113
305-0311	BH-8	N.D.	N.D.	N.D.	N.D.	111
305-0312	BH-9	N.D.	0.28	0.44	2.1	122
305-0313	BH-10	N.D.	N.D.	N.D.	N.D.	114

Reporting Limits:	0.050	0.050	0.050	0.10
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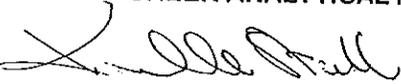
4-Bromofluorobenzene surrogate recovery control limits are 73 - 128 %.
 Analytes reported as N.D. were not detected above the stated Reporting Limit.
 The results reported above are on a dry weight basis.

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Please Note:

The Reporting Limit for Toluene and Ethyl Benzene in # 305-0310 = 0.080 mg/kg.

The Reporting Limit for Benzene in # 305-0312 = 0.080 mg/kg.

S-3 = Due to coelution with hydrocarbon contamination present in the sample, the Surrogate Recovery for this analysis is > 150% and cannot be accurately quantified.


 Kimberle Stark
 Project Manager

ENVIROS	Client Project ID: Tiki Car Wash, #930415	Sampled: May 3, 1993
5808 Lk, Washington Blvd. NE	Matrix Descript: Water	Received: May 4, 1993
Kirkland, WA 98033	Analysis Method: EPA 5030/8020	Analyzed: May 14, 1993
Attention: Janette Black	First Sample #: 305-0098	Reported: May 18, 1993

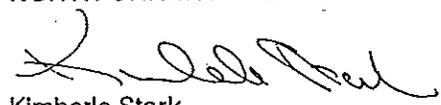
BTEX DISTINCTION

Sample Number	Sample Description	Benzene µg/L (ppb)	Toluene µg/L (ppb)	Ethyl Benzene µg/L (ppb)	Xylenes µg/L (ppb)	Surrogate Recovery %
305-0098	Trip Blank 4/3/93	N.D.	N.D.	N.D.	N.D.	116
305-0099	Field Dup.	30,000	30,000	2,800	17,000	120
305-0100	MW-2	32	61	220	590	124
305-0101	MW-5	N.D.	N.D.	N.D.	N.D.	117
305-0102	MW-6	5,100	5,400	710	4,200	121
305-0103	MW-7	7.3	7.7	0.71	5.1	117
305-0104	MW-20 5/4/93	N.D.	N.D.	N.D.	N.D.	115
305-0105	MW-21	N.D.	N.D.	N.D.	N.D.	116
305-0106	MW-23 5/4/93	N.D.	N.D.	N.D.	N.D.	116
305-0107	MW-29	29,000	30,000	2,800	17,000	119

Reporting Limits:	0.50	0.50	0.50	1.0
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4-Bromofluorobenzene surrogate recovery control limits are 74 - 130 %.
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL inc


 Kimberle Stark
 Project Manager

ENVIROS	Client Project ID: Tiki Car Wash, #930415	Sampled: May 4, 1993
5808 Lk. Washington Blvd. NE	Matrix Descript: Water	Received: May 4, 1993
Kirkland, WA 98033	Analysis Method: EPA 5030/8020	Analyzed: May 14, 1993
Attention: Janette Black	First Sample #: 305-0108	Reported: May 18, 1993

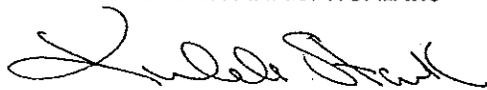
BTEX DISTINCTION

Sample Number	Sample Description	Benzene	Toluene	Ethyl Benzene	Xylenes	Surrogate Recovery
		$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	%
305-0108	MW-31	N.D.	N.D.	N.D.	N.D.	116
305-0109	MW-33	N.D.	N.D.	N.D.	N.D.	121
BLK051493	Method Blank	N.D.	N.D.	N.D.	N.D.	116

Reporting Limits:	0.50	0.50	0.50	1.0
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4-Bromofluorobenzene surrogate recovery control limits are 74 - 130 %.
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL inc



 Kimberle Stark
 Project Manager

ENVIROS	Client Project ID: Tiki Car Wash, #930415.01.03	Sampled: May 12, 1993
5808 Lk. Washington Blvd. NE	Matrix Descript: Water	Received: May 12, 1993
Kirkland, WA 98033	Analysis Method: WTPH-G	Analyzed: May 24, 1993
Attention: Jannette Black	First Sample #: 305-0666	Reported: May 25, 1993

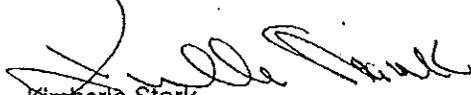
TOTAL PETROLEUM FUEL HYDROCARBONS (WTPH-G)

Sample Number	Sample Description	Volatile Hydrocarbons <small>µg/L (ppb)</small>	Surrogate Recovery <small>%</small>
305-0666	AGI MW-3	N.D.	117
305-0668	Field Blank	N.D.	115
BLK052493	Method Blank	N.D.	125

Reporting Limits:	50
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4-Bromofluorobenzene Surrogate Recovery Control Limits are 50 - 150 %.
 Volatile Hydrocarbons are quantitated as Gasoline Range Organics (toluene - dodecane).
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

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Kimberle Stark
 Project Manager

ENVIROS	Client Project ID: Tiki Car Wash, #930415.01.03	Sampled: May 12, 1993
5808 Lk. Washington Blvd. NE	Matrix Descript: Water	Received: May 12, 1993
Kirkland, WA 98033	Analysis Method: EPA 5030/8020	Analyzed: May 24, 1993
Attention: Jannette Black	First Sample #: 305-0666	Reported: May 25, 1993

BTEX DISTINCTION

Sample Number	Sample Description	Benzene	Toluene	Ethyl Benzene	Xylenes	Surrogate Recovery
		$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	$\mu\text{g/L}$ (ppb)	%
305-0666	AGI MW-3	N.D.	N.D.	N.D.	N.D.	112
3050-6687	Field Blank	N.D.	N.D.	N.D.	N.D.	115
BLK052493	Method Blank	N.D.	N.D.	N.D.	N.D.	116

Reporting Limits:	0.50	0.50	0.50	1.0
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4-Bromofluorobenzene surrogate recovery control limits are 74 - 130 %.
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL Inc



Kimberle Stark
 Project Manager

ENVIROS 5808 Lk. Washington Blvd. NE Kirkland, WA 98033 Attention: Janette Black	Client Project ID: Tiki Car Wash, #930415	Sampled: May 3, 1993
	Sample Descript: Water, MW-5	Received: May 4, 1993
	Analysis Method: EPA 601	Analyzed: May 14, 1993
	Sample Number: 305-0101	Reported: May 18, 1993

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Reporting Limit µg/L (ppb)	Sample Results µg/L (ppb)
Bromodichloromethane.....	1.0	N.D.
Bromoform.....	1.0	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	1.0	N.D.
Chlorobenzene.....	1.0	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	1.0	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	1.0	N.D.
1,2-Dichlorobenzene.....	1.0	N.D.
1,3-Dichlorobenzene.....	1.0	N.D.
1,4-Dichlorobenzene.....	1.0	N.D.
Dichlorodifluoromethane.....	1.0	N.D.
1,1-Dichloroethane.....	1.0	N.D.
1,2-Dichloroethane.....	1.0	N.D.
1,1-Dichloroethene.....	1.0	N.D.
cis 1,2-Dichloroethene.....	1.0	N.D.
trans 1,2-Dichloroethene.....	1.0	N.D.
1,2-Dichloropropane.....	1.0	N.D.
cis-1,3-Dichloropropene.....	1.0	N.D.
trans-1,3-Dichloropropene.....	1.0	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	1.0	N.D.
Tetrachloroethene.....	1.0	N.D.
1,1,1-Trichloroethane.....	1.0	N.D.
1,1,2-Trichloroethane.....	1.0	N.D.
Trichloroethene.....	1.0	N.D.
Trichlorofluoromethane.....	1.0	N.D.
Vinyl chloride.....	1.0	N.D.

4-Bromofluorobenzene Surrogate Recovery, %: 100
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL inc



 Kimberle Stark
 Project Manager



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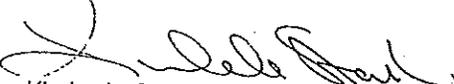
ENVIROS 5808 Lk. Washington Blvd. NE Kirkland, WA 98033 Attention: Janette Black	Client Project ID: Tiki Car Wash, #930415 Sample Descript: Water, MW-23 Analysis Method: EPA 601 Sample Number: 305-0106	Sampled: May 3, 1993 Received: May 4, 1993 Analyzed: May 14, 1993 Reported: May 18, 1993
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PURGEABLE HALOCARBONS (EPA 601)

Analyte	Reporting Limit µg/L (ppb)	Sample Results µg/L (ppb)
Bromodichloromethane.....	1.0	N.D.
Bromoform.....	1.0	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	1.0	N.D.
Chlorobenzene.....	1.0	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	1.0	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	1.0	N.D.
1,2-Dichlorobenzene.....	1.0	N.D.
1,3-Dichlorobenzene.....	1.0	N.D.
1,4-Dichlorobenzene.....	1.0	N.D.
Dichlorodifluoromethane.....	1.0	N.D.
1,1-Dichloroethane.....	1.0	N.D.
1,2-Dichloroethane.....	1.0	N.D.
1,1-Dichloroethene.....	1.0	N.D.
cis 1,2-Dichloroethene.....	1.0	N.D.
trans 1,2-Dichloroethene.....	1.0	N.D.
1,2-Dichloropropane.....	1.0	N.D.
cis-1,3-Dichloropropene.....	1.0	N.D.
trans-1,3-Dichloropropene.....	1.0	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	1.0	N.D.
Tetrachloroethene.....	1.0	N.D.
1,1,1-Trichloroethane.....	1.0	N.D.
1,1,2-Trichloroethane.....	1.0	N.D.
Trichloroethene.....	1.0	N.D.
Trichlorofluoromethane.....	1.0	N.D.
Vinyl chloride.....	1.0	N.D.

4-Bromofluorobenzene Surrogate Recovery, %: 99
 Analytes reported as N.D. were not detected above the stated Reporting Limit.

NORTH CREEK ANALYTICAL inc


 Kimberle Stark
 Project Manager



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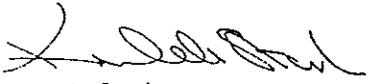
ENVIROS	Client Project ID: Tiki Car Wash, #930415	Sampled: May 3, 1993
5808 Lk. Washington Blvd. NE	Sample Descript: Water, MW-29	Received: May 4, 1993
Kirkland, WA 98033	Analysis Method: EPA 601	Analyzed: May 14, 1993
Attention: Janette Black	Sample Number: 305-0107	Reported: May 18, 1993

PURGEABLE HALOCARBONS (EPA 601)

Analyte	Reporting Limit µg/L (ppb)	Sample Results µg/L (ppb)
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	200	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
Dichlorodifluoromethane.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	800
i,1-Dichloroethene.....	200	N.D.
cis 1,2-Dichloroethene.....	200	N.D.
trans 1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	1,000	N.D.
1,1,2,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	N.D.
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	200	N.D.

4-Bromofluorobenzene Surrogate Recovery, %: 98
 Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

NORTH CREEK ANALYTICAL Inc


 Kimberle Stark
 Project Manager

ENVIROS 5808 Lk. Washington Blvd. NE Kirkland, WA 98033 Attention: Janette Black	Client Project ID: Tiki Car Wash, #930415 Sample Descript: Water, Field Dup. Analysis Method: EPA 601 Sample Number: 305-0099	Sampled: May 3, 1993 Received: May 4, 1993 Analyzed: May 14, 1993 Reported: May 18, 1993
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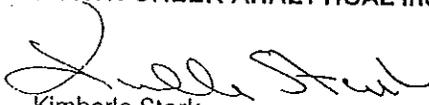
PURGEABLE HALOCARBONS (EPA 601)

Analyte	Reporting Limit µg/L (ppb)	Sample Results µg/L (ppb)
Bromodichloromethane.....	200	N.D.
Bromoform.....	200	N.D.
Bromomethane.....	200	N.D.
Carbon tetrachloride.....	200	N.D.
Chlorobenzene.....	200	N.D.
Chloroethane.....	200	N.D.
Chloroform.....	200	N.D.
Chloromethane.....	200	N.D.
Dibromochloromethane.....	200	N.D.
1,2-Dichlorobenzene.....	200	N.D.
1,3-Dichlorobenzene.....	200	N.D.
1,4-Dichlorobenzene.....	200	N.D.
Dichlorodifluoromethane.....	200	N.D.
1,1-Dichloroethane.....	200	N.D.
1,2-Dichloroethane.....	200	750
1,1-Dichloroethene.....	200	N.D.
cis 1,2-Dichloroethene.....	200	N.D.
trans 1,2-Dichloroethene.....	200	N.D.
1,2-Dichloropropane.....	200	N.D.
cis-1,3-Dichloropropene.....	200	N.D.
trans-1,3-Dichloropropene.....	200	N.D.
Methylene chloride.....	1,000	N.D.
1,1,2,2-Tetrachloroethane.....	200	N.D.
Tetrachloroethene.....	200	N.D.
1,1,1-Trichloroethane.....	200	N.D.
1,1,2-Trichloroethane.....	200	N.D.
Trichloroethene.....	200	N.D.
Trichlorofluoromethane.....	200	N.D.
Vinyl chloride.....	200	N.D.

4-Bromofluorobenzene Surrogate Recovery, %: 99

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

NORTH CREEK ANALYTICAL Inc


 Kimberle Stark
 Project Manager



CHAIN OF CUSTODY REPORT

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-25
 Phone (206) 481-9200 • FAX (206) 485-29

[Handwritten initials]

CLIENT: Envirochem, Inc
 ADDRESS: Spot Lane Wash. Blvd NE Seattle, WA
K. Greenwood

PHONE: 206-828-2525 FAX: 206-827-3299

PROJECT NAME: TKI Case Custody

PROJECT NUMBER: 930415.01

SAMPLED BY: LHE & MBB

REPORT TO: JANETTE BRACK
 BILLING TO: Patricia Smith
 P.O. NUMBER:
 NCA QUOTE #:

SAME DAY (2-8 HR.) RUSH (+150%)
 NEXT DAY RUSH (+100%)
 2 DAY RUSH (+80%)
 3 DAY RUSH (+60%)
 5 DAY RUSH (+40%)
 10 DAY STANDARD (LIST PRICE)

NUMBER OR DESCRIPTION	SAMPLING DATE / TIME	MATRIX (W,S,O)	# OF CONT.	ANALYSIS REQUESTED	COMMENTS & PRESERVATIVES USED	LABORATORY NUMBER
1 BH-1	5/6/15:45	S	1	✓	WPH-G/15/2X	3050304
2 BH-2	5-6/17:10	S	1	✓		3050305
3 BH-3	5-6/16:45	S	1	✓		3050306
4 BH-4	5-6/16:20	S	1	✓		3050307
5 BH-5	5-6/21:35	S	1	✓		3050308
6 BH-6	5-6/22:30	S	1	✓		3050309
7 BH-7	5-6/19:35	S	1	✓		3050310
8 BH-8	5-6/19:33	S	1	✓		3050311
9 BH-9	5-6/31:40	S	1	✓		3050312
10 BH-10	5-6/12:30	S	1	✓		3050313

RELINQUISHED BY: [Signature] DATE: 5-7-93 TIME: 9:35

RECEIVED BY: [Signature] DATE: 5-7-93 TIME: 9:35

FIRM: Envirochem, Inc

RECEIVED BY: [Signature] DATE: 5/7/93 TIME: 10:25

RELINQUISHED BY: [Signature] FIRM: OZOLS EMI

RECEIVED BY: [Signature] FIRM: NCA

CONTAINER CONDITION? GOOD VIOLATED
 HAZARDOUS SAMPLES? NO VIOLATED
 COOL (4° OR YES) NO
 SAMPLE RECEIPT INFORMATION: GOOD VIOLATED
 CUSTODY SEAL GOOD VIOLATED NOT USED

NORTH CREEK ANALYTICAL SAMPLE RECEIPT LOG

Please circle appropriate response

1. Chain-of-Custody Report: Present Absent*
2. Does information on custody records and sample labels agree: Yes No*
3. Are all samples labeled: Yes No*
4. Sample Condition: Intact Leaking* Broken*
5. Proper Preservation: Yes No*
6. Sample Temperature: (if necessary) Cool Ice melted* Warm*
7. Custody Seals: Present Absent
intact / Broken*
8. Airbill: Present Absent
Airbill #: _____
9. Courier Receipt: Present Absent
10. Completed by: FDN
11. Date Completed: 05.07.93

* If circled, was Project Manager contacted: Yes / No

* If circled, is corrective action record attached: Yes / No

Sample Containers Received

4 oz glass jar: <u>10</u>	500 ml HDPE: _____
8 oz glass jar: _____	Bacti: _____
40 ml vials: <u>1</u>	Other: _____
1 L glass: _____	Describe: _____
1 L HDPE: _____	Total # of Containers: <u>11</u>



CHAIN OF CUSTODY REPORT

18939 120th Avenue N.E., Suite 101 • Bothell, WA 98011-25
 Phone (206) 481-9200 • FAX (206) 485-29

CLIENT: CALVEEDS INC

ADDRESS: 5807 LAKE WASH. BUENOS
WILKINSON, WA

PHONE: 206-828-2525 FAX: 827-2299

PROJECT NAME: TRUCK LAKE WASH

PROJECT NUMBER: 930415.01

SAMPLED BY: LHE & MDA

REPORT TO: THARLETTE BRACIC

BILLING TO: Pete Smith

P.O. NUMBER:

NCA QUOTE #:

ANALYSIS REQUESTED

COMMENTS & PRESERVATIVES USED

LABORATORY NUMBER

NUMBER OR DESCRIPTION	SAMPLING DATE / TIME	MATRIX (W.S.O)	# OF CONT.	RECEIVED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
1 TRIP ON BACK		W		SG	5-7	9:35	ENVA	5-7	9:35
2									
3									
4									
5									
6									
7									
8									
9									
10									

RELINQUISHED BY: Si DATE: 5-7/93

FIRM: SALVIX, INC TIME: 9:35

RELINQUISHED BY: DATE: TIME:

RECEIVED BY: ENVA

FIRM: DATE: TIME:

FIRM: DATE: TIME:

CONTAINER CONDITION: GOOD VIOLATED

HAZARDOUS SAMPLES? NO YES: DESCRIBE ON BACK

COOL (4°C)? NO YES: DESCRIBE ON BACK

CUSTOMER SEALED? GOOD VIOLATED NOT USED

PAGE 1 OF 1

NORTH CREEK ANALYTICAL SAMPLE RECEIPT LOG

Please circle appropriate response

- | | |
|---|--------------------------------------|
| 1. Chain-of -Custody Report: | Present / Absent* |
| 2. Does information on custody records and sample labels agree: | Yes / No* |
| 3. Are all samples labeled: | Yes / No* |
| 4. Sample Condition: | Intact / Leaking* / Broken* |
| 5. Proper Preservation: | Yes / No* |
| 6. Sample Temperature:
(if necessary) | Cool / Ice melted* / Warm* |
| 7. Custody Seals: | Present / Absent
Intact / Broken* |
| 8. Airbill: | Present / Absent |
| Airbill #: | _____ |
| 9. Courier Receipt: | Present / Absent |
| 10. Completed by: | _____ |
| 11. Date Completed: | _____ |

* If circled, was Project Manager contacted: Yes / No

* If circled, is corrective action record attached: Yes / No

Sample Containers Received

4 oz glass jar:	_____	500 ml HDPE:	_____
8 oz glass jar:	_____	Bacti:	_____
40 ml vials:	_____	Other:	_____
1 L glass:	_____	Describe:	_____
1 L HDPE:	_____	Total # of Containers:	_____



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 Phone (206) 481-9200 • FAX (206) 485-25

CHAIN OF CUSTODY REPORT

CLIENT: Enviros
 ADDRESS: 5808 Lk. Wa. Blvd NE
Kirkland, WA. 98083

PHONE: 827-5525 FAX: 827-3259

PROJECT NAME: Tiki Car wash

PROJECT NUMBER: 930415

SAMPLED BY: MaryBeth Gilbrough & Li Erikson

SAMPLE IDENTIFICATION: NUMBER OR DESCRIPTION	SAMPLING DATE / TIME	MATRIX (W,S,O)	# OF CONT.	ANALYSIS REQUESTED	COMMENTS & PRESERVATIVES USED	LABORATORY NUMBER	SAME DAY (2-8 HR.) RUSH (+150%)	NEXT DAY RUSH (+100%)	2 DAY RUSH (+80%)	3 DAY RUSH (+60%)	5 DAY RUSH (+40%)	10 DAY STANDARD (LIST PRICE)
1 Trip Blank	4/3 18:30	W	1	VOC's EPA 609		3050098						
2 Field Blank	5/4 15:15		1		Disregard	99						
3 Field Dup.	5/3 -		2			100						
4 MW-2	5/3-16:43		1			101						
5 MW-5	5/3-19:38		2			102						
6 MW-6	5/3-19:27		1			103						
7 MW-7	5/3-19:28		1			104						
8 MW-20	5/4-10:05		1			105						
9 MW-21	5/3-20:42		1			106						
10 MW-23	5/4-10:25		2									

REPORT TO: Janette Black
 BILLING TO: Patty Smith
 P.O. NUMBER:
 NCA QUOTE #:
 ANALYSIS REQUESTED
 COMMENTS & PRESERVATIVES USED
 LABORATORY NUMBER

RECEIVED BY: Janet Y. Allen NCA DATE: 5/4/93
 FIRM: Enviros, Inc. TIME: 16:55
 RECEIVED BY: DATE:
 FIRM: TIME:
 CONTAINER CONDITION: GOOD VIOLATED
 HAZARDOUS SAMPLES? NO YES DESCRIBE ON BACK
 CUSTODY SEALS? GOOD VIOLATED NOT USED

NORTH CREEK ANALYTICAL SAMPLE RECEIPT LOG

Please circle appropriate response

- | | |
|---|--------------------------------------|
| 1. Chain-of-Custody Report: | Present / Absent* |
| 2. Does information on custody records and sample labels agree: | Yes / No* |
| 3. Are all samples labeled: | Yes / No* |
| 4. Sample Condition: | Intact / Leaking* / Broken* |
| 5. Proper Preservation: | Yes / No* |
| 6. Sample Temperature:
(if necessary) | Cool / Ice melted* / Warm* |
| 7. Custody Seals: | Present / Absent
Intact / Broken* |
| 8. Airbill:
Airbill #: | Present / Absent
_____ |
| 9. Courier Receipt: | Present / Absent |
| 10. Completed by: | S/L
_____ |
| 11. Date Completed: | R
_____ |

* If circled, was Project Manager contacted: Yes / No

* If circled, is corrective action record attached: Yes / No

Sample Containers Received

4 oz glass jar: _____	500 ml HDPE: _____	
8 oz glass jar: _____	Bacti: _____	
40 ml vials: <u>20</u>	Other: _____	
1 L glass: _____	Describe: _____	
1 L HDPE: _____	Total # of Containers: <u>20</u>	

NORTH CREEK ANALYTICAL SAMPLE RECEIPT LOG

Please circle appropriate response

- | | |
|---|--------------------------------------|
| 1. Chain-of-Custody Report: | Present / Absent* |
| 2. Does information on custody records and sample labels agree: | Yes / No* |
| 3. Are all samples labeled: | Yes / No* |
| 4. Sample Condition: | Intact / Leaking* / Broken* |
| 5. Proper Preservation: | Yes / No* |
| 6. Sample Temperature:
(if necessary) | Cool / Ice melted* / Warm* |
| 7. Custody Seals: | Present / Absent
Intact / Broken* |
| 8. Airbill:
Airbill #: | Present / Absent
_____ |
| 9. Courier Receipt: | Present / Absent |
| 10. Completed by: | _____ |
| 11. Date Completed: | _____ |

* If circled, was Project Manager contacted: Yes / No

* If circled, is corrective action record attached: Yes / No

Sample Containers Received

4 oz glass jar:	_____	500 ml HDPE:	_____
8 oz glass jar:	_____	Bacti:	_____
40 ml vials:	_____	Other:	_____
1 L glass:	_____	Describe:	_____
1 L HDPE:	_____	Total # of Containers:	_____



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 Phone (206) 481-9200 • FAX (206) 485-295

CHAIN OF CUSTODY REPORT

CLIENT: ENVIRO 3
 ADDRESS: 5808 LAKE WASH. BLDG NR
SUITE 100
1 KIEKLAND, WA 98035
 PHONE: 206-828-2525 FAX: 206-827-3299
 PROJECT NAME: TRICIA CAR WASH
 PROJECT NUMBER: 930415.01.03
 SAMPLED BY: LATZ

REPORT TO: TRANETTE BLACK
 BILLING TO: 930415.01.03
 P.O. NUMBER:
 NCA QUOTE #:
 ANALYSIS REQUESTED:

SAMPLE IDENTIFICATION: NUMBER OR DESCRIPTION	SAMPLING DATE/TIME	MATRIX (W,S,O)	# OF CONT.	COMMENTS & PRESERVATIVES USED	LABORATORY NUMBER
1 AGI MW-3	5/12/1993	W	1	ANALYZE ONLY IF THERE IS A HET IN AGI MW	3050666
2 TRIP BLANK	5/12/1993	W	1		3050668
3 FIELD BLANK	5/12/1993	W	1		
4					
5					
6					
7					
8					
9					
10					

SAME DAY (2-8 HR.) RUSH (+150%)
 NEXT DAY RUSH (+100%)
 2 DAY RUSH (+80%)
 3 DAY RUSH (+60%)
 5 DAY RUSH (+40%)
 10 DAY STANDARD (LIST PRICE)

RECEIVED BY: Black DATE: 5/12/93
 FIRM: ENVA 90 TIME: 4:15 PM
 RECEIVED BY: Jenny Glin DATE: 5/12/93
 FIRM: ENVA 90 TIME: 1720

CONTAINER CONDITION: GOOD VIOLATED
 HAZARDOUS SAMPLES? NO YES DESCRIBE ON BACK
 COOL (4°C)? YES NO
 CUSTODY SEALS? GOOD VIOLATED NOT USED

NORTH CREEK ANALYTICAL SAMPLE RECEIPT LOG

Please circle appropriate response

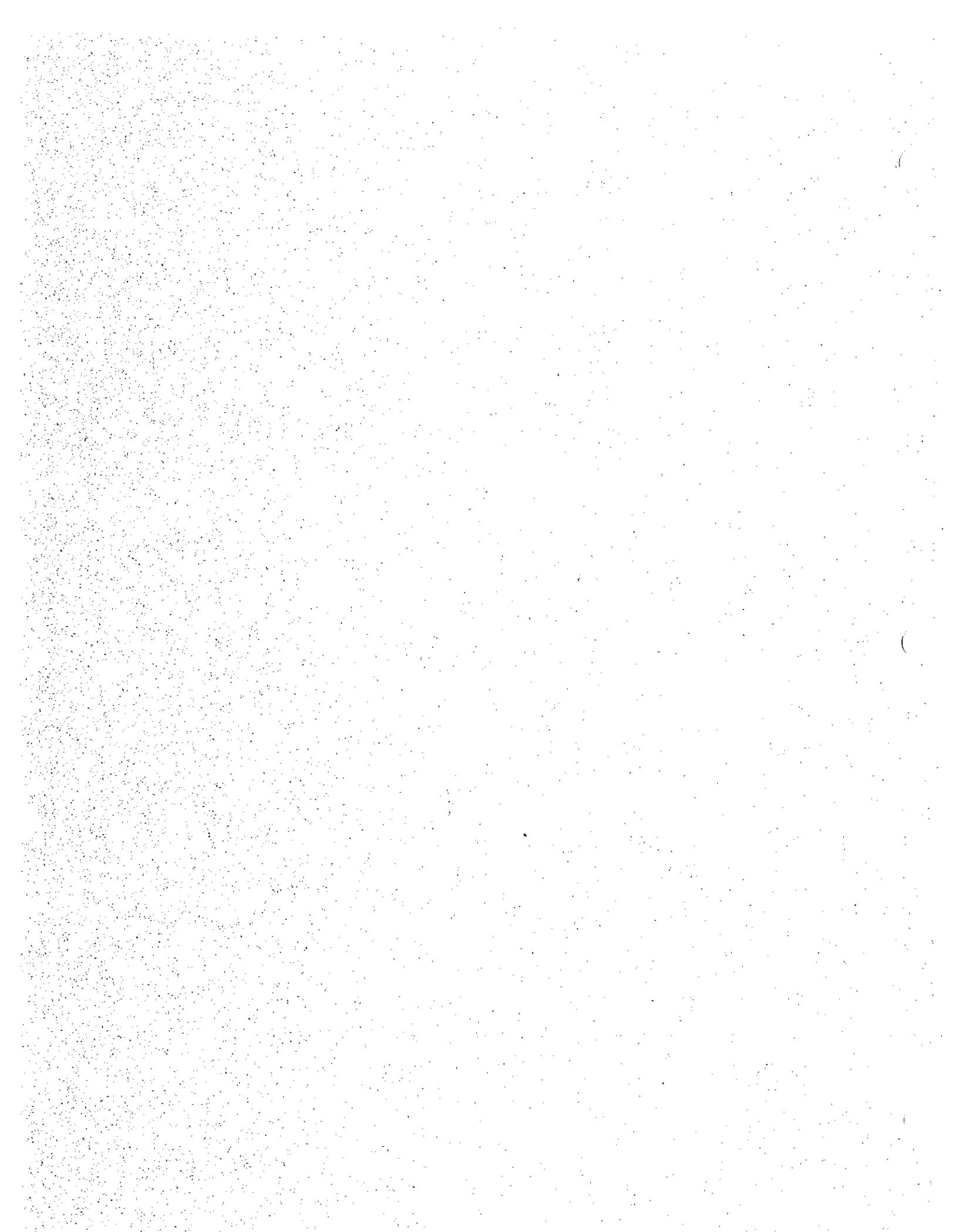
1. Chain-of-Custody Report: Present / Absent*
2. Does information on custody records and sample labels agree: Yes / No*
3. Are all samples labeled: Yes / No*
4. Sample Condition: Intact / Leaking* / Broken*
5. Proper Preservation: Yes / No*
6. Sample Temperature: Cool / Ice melted* / Warm*
(if necessary)
7. Custody Seals: Present / Absent
Intact / Broken*
8. Airbill: Present / Absent
Airbill #:
9. Courier Receipt: Present / Absent
10. Completed by: Dana
11. Date Completed: 5/13/93

* If circled, was Project Manager contacted: Yes / No
 * If circled, is corrective action record attached: Yes / No

Sample Containers Received

4 oz glass jar: _____	500 ml HDPE: _____
8 oz glass jar: _____	Bacti: _____
40 ml vials: <u>3</u>	Other: _____
1 L glass: _____	Describe: _____
1 L HDPE: _____	Total # of Containers: <u>3</u>

APPENDIX D:
HEALTH AND SAFETY PLAN



SITE HEALTH AND SAFETY PLAN

1.0 Project Background

Site Name: Tiki Car Wash *Project:* # 930415.1

Site Location: 11909 NE 8th Street, Bellevue, Washington.

Site Description: The site is located in a commercially developed area and adjacent to a busy street (NE 8th Street).

Current Status of site: Site is currently occupied by a car wash and fuelling station.

Surrounding Properties: North: NE 8th Street
West: Dollar Car Rental
South: Strip Mall, Larry's Market
East: Auto Sales

Known Chemical and Physical Hazards: Previous investigations have identified gasoline and diesel contamination in site soils, and gasoline concentrations and 1,2-Dichloroethane in the groundwater beneath the site.

2.0 Project Personnel

Project Manager: Janette Black

Site Safety Supervisor: Li Erikson

Field Sampling Team: Fred Luck
Li Erikson
MB Millburn

Subcontractors: None: if subcontractors are contracted, they will be responsible for their own Health and Safety Plan.



3.0 Hazard Analysis

Potential Chemical Hazards:

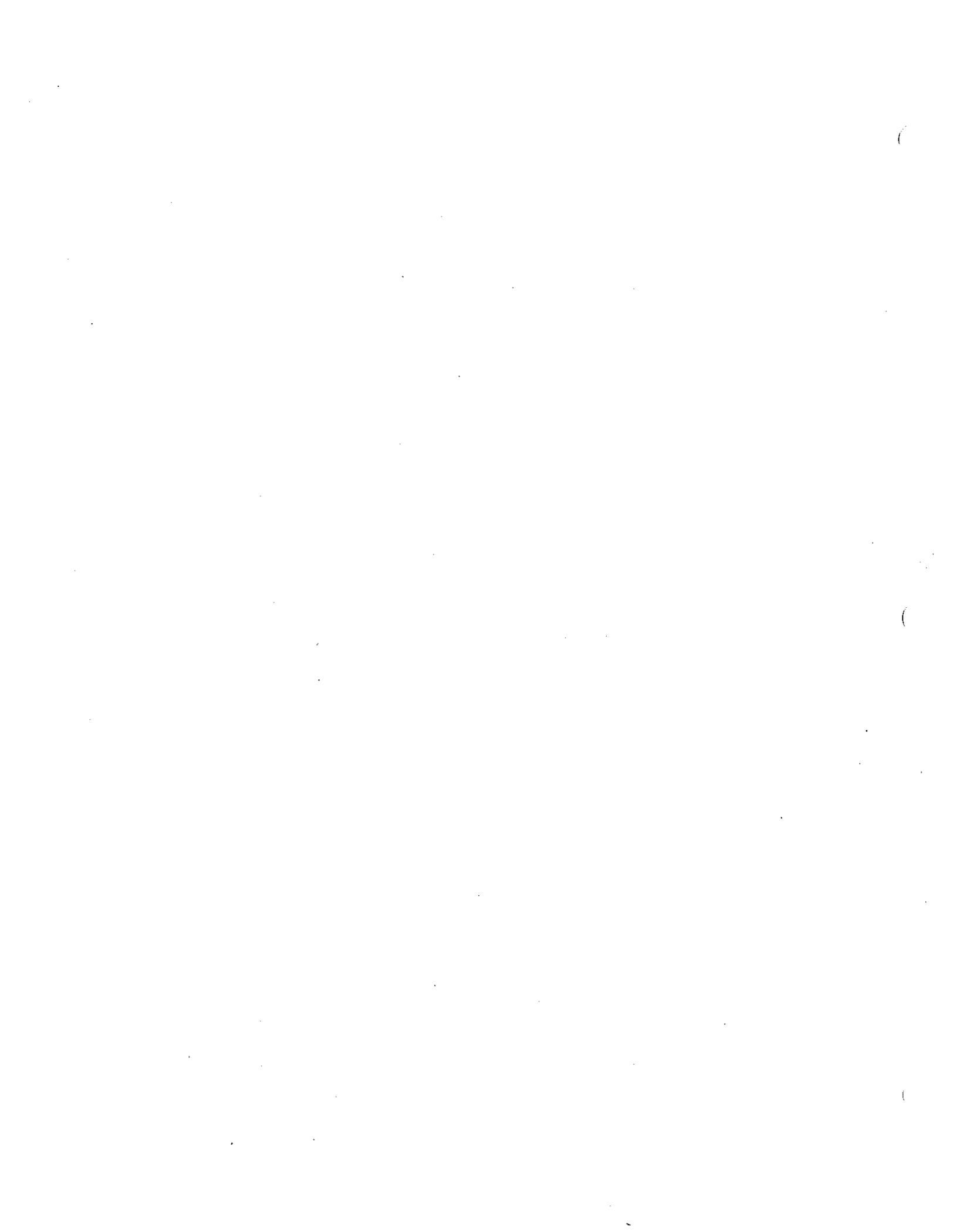
<i>Substance/Matrix</i>	<i>Concentration</i>	<i>Health Hazards</i>
Benzene	Unknown	Carcinogenic
Petroleum Hydrocarbons	Unknown	
Polynuclear Aromatic - Hydrocarbons (PAHs)	Unknown	Respiratory, Bladder Carcinogenic
Gasoline	Unknown	Carcinogenic
BTEX	Unknown	
Chlorinated Solvents	Unknown	
Polychlorinated biphenyls (PCBs)	Unknown	Chloracne, Liver damage, Carcinogen
Pesticides	Unknown	
Chromium	Unknown	GI tract, carcinogen
Lead	Unknown	brain damage, central nervous system (CNS)
Mercury	Unknown	chloracne, kidney damage
1,2-Dichlorethane	Unknown	CNS, kidney, liver, possible carcinogen
Other priority pollutant Metals	Unknown	Variable

Potential Physical Hazards: (list each hazard)

- overhead heavy wieghts, falls, equipment failures
- open pits
- heavy equipment (auger drill)
- motor vehicle traffic
-
-
-

4.0 Exposure Assessment and Monitoring

<i>Chemical</i>	<i>Exposure Standard</i>	<i>STEL (15 min.)</i>	<i>IDLH</i>
Gasoline	100 ppm	500 ppm	LD50=18.75 mg/kg
Benzene	1 ppm	5 ppm	Carcinogen
Toluene	100 ppm	150 ppm	2000 ppm
Ethyl benzene	100 ppm	125 ppm	2000 ppm



Xylene	100 ppm	150 ppm	1000 ppm
Diesel	100 ppm	500 ppm	None
PAHs	0.2 mg/m3	None	Carcinogenic
Tetraethyl lead	0.075 mg/m3	None	>100 mg/m3
Chromium	0.5 mg/m3	None	No evidence
Lead	0.10 mg/m3	None	700 mg/m3
Mercury (vapor)	0.05 mg/m3	None	28 mg/m3
1,2-Dichloroethane	1 ppm	2 ppm	1000 ppm

The following type(s) of environmental monitoring equipment will be used on site.

OVM	PID	(specify type)
Detector Tubes	charcoal	
Combustible Gas/O2 Monitor	N/A	
Other	N/A	

Breathing Zone Monitoring Plans (continuous, hourly, daily, other - be specific):

OVM measurements at every new sampling location.

5.0 Personal Protective Equipment

Location	Level of Protection (circle appropriate level)				
Exclusion Zone	A	B	C	D	Other Modified Level D
Cont. Reduction Zone	A	B	C	D	Other
Support Zone	A	B	C	D	Other

Personal Protective Equipment will include the following: (be specific for each PPE level used)

Tyvek, hard hat, steel toed boots, gloves, safety glasses, and hearing protection.

Respirator Selection and Test Fit Data:

Type selected: N/A

Selection Criteria: N/A
 Cartridges Selected: N/A

Action levels:

<i>Hazard</i>	<i>Monitoring Method</i>	<i>Action Level (TOV)</i>	<i>Corrective Measures</i>
Benzene	PID	0.5 - 5 ppm	Use half face APR
		5 - 25 ppm	Use full face APR
		25 - 50 ppm	Use powered full face APR
		>50 ppm	Use SCBA
PAHs	Charcoal Tubes	0.2 mg/m ³	Wear respirator and nitrile or butyl gloves
Gasoline	(see benzene)	(see benzene)	(see benzene)
Diesel	PID	50 ppm	Use half face respirator
Heating Oil	PID	50 ppm	Use half face respirator
Tetraethyl lead		0.075 mg/m ³	Use half/full face APR (<0.5 mg/m ³)
Chromium	Particulate Filter	2.5 - 4 ppm	Use powered full face APR
		>4 ppm	Use SCBA
Mercury	Hydrar sorbent tube	0.5-1.25 mg/m ³	Use half face APR
		1.25 - 2.5 mg/m ³	Use full face APR
		2.5 - 28 mg/m ³	Use powered full face APR
		>28 mg/m ³	Use SCBA
1,2-Dichloroethane	Charcoal tube	Any detectable concentration	Use full face SCBA

6.0 Decontamination Procedures

Personnel Decontamination Protocols:

Discard gloves and disposable coveralls (if worn).

Remove soil from boots with soapy water and brush.

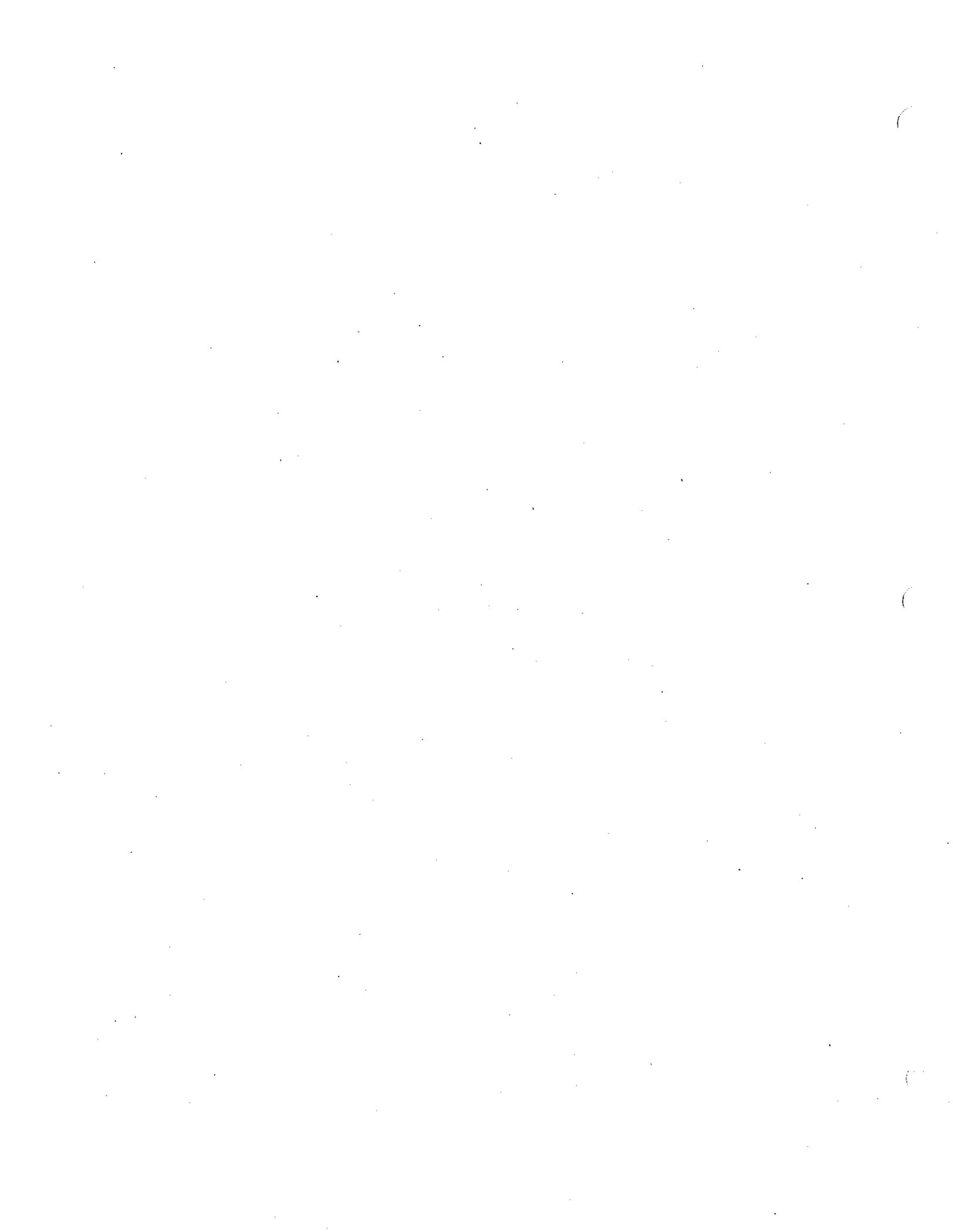
Wash hands with clean soapy water.

(all disposable contaminated items are to be discarded on-site with other contaminated materials).

7.0 Contingency Plans

Put on safety gear

Evacuate site if 1,2-Dichloroethane is detected.



Location of first aid station on-site: Site Manager has First Aid kit.

Notification procedures: **call 911 (if necessary)**
call Project Manager/Health and Safety Manager
Group Health Hospital 883-5151

Site evacuation plans: Site Manager signals field crew to evacuate site.
Crew to assemble at site entrance and take body count.

Site re-entry requirements Entrance clearance must be given by Site manager.

- Material Safety Data Sheets (MSDS's) - Attached to Plan in Appendix A.**
- Personnel Training Certificates - Attached in Appendix B.**
- Daily Tailgate Meeting Logs - Attached in Appendix C.**
- Map to nearest medical facility - Attached in Appendix D.**

