NW2974

SD&C

PO Box 2071 Kirkland, WA 98083 **Phone (206) 459-5775**
e-mail ts4sdc@hotmail.com

June 17, 2014

Ms. Carol Lybeer
Claims Examiner
Colony Specialty
8720 Stony Point Parkway, Suite 300
Richmond, VA 23235

PSIARS

Subject: Work Plan
Gasoline Spill Lake Goodwin Grocery
4726 Lakewood Road
Stanwood, WA
Colony Claim No. 231361

Dear Ms. Lybeer:

Slotta Design and Construction (SD&C) is pleased to present this work plan for expanded remedial activities to clean up the gasoline spill (spill) at the Lake Goodwin Grocery (Site) referenced above (Figure 1). The spill occurred on December 11, 2013 during fuel delivery by Harris Transportation Company, LLC (Harris). This work plan includes a background of site conditions, a phased scope of work for expanded remedial cleanup activities, sampling, analysis and reporting program, and a cost estimate for the associated remedial action. The focus of the work plan is to achieve cleanup levels established by WAC173-340 Washington Department of Ecology (Ecology) Model Toxics Control Act (MTCA), and to secure a "No Further Action" (NFA) determination from Ecology. The substantive elements of this work plan were developed during a meeting conducted via teleconference with representatives from SD&C, Colony, Rykar Investments Inc. (Rykar), and legal counsel on May 6, 2014.

Background

SD&C was contracted by Rykar on December 19, 2013 to review Site conditions after the gasoline spill occurred. Soil samples collected from the spill area had a strong gasoline odor and a groundwater control well (PW-1) located adjacent to the underground storage tanks (USTs) contained 18-inches of free-phase petroleum hydrocarbon compounds (PHC) product on the water surface. Ecology was contacted on December 19, 2013 to notify the agency that a release to groundwater occurred, and an Emergency Response Tracking System (ERTS) #645857 was established. Further communications with Ecology indicated that the Site must return to the process of the VCP program to regain the NFA determination.

The soil samples were submitted to ALS analytical laboratory (ALS) of Everett, WA. and analyzed for the following PHC constituents required by Ecology:

- Gasoline using Ecology Method NWTPH-GX (TPH-G);

- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) using EPA Method 8021;

Results of soil samples collected down gradient of the spill area contained TPH-G and BTEX at concentrations which exceeded MTCA Method A cleanup levels as identified in Table 1.

Three monitoring wells had previously been installed at the site which achieved a NFA determination in March 2013. The monitoring wells (MW-4, 5, and 6) and the groundwater control well (PW-1) are located in the vicinity of the gasoline spill as illustrated in Figure 2. Groundwater samples collected from MW-4, 5, and 6 were submitted to ALS for analysis of PHCs. The results of the analyses contained TPH-G and BTEX at concentrations which exceeded MTCA method A cleanup levels. The results of the groundwater samples collected from the wells are included in Table 2 and the elevation data measured from each monitoring well is included in Table 3.

Marine Vacuum Service (Marvac) of Seattle was subcontracted and removed 300 gallons of PHC impacted water from PW-1 for disposal at their licensed treatment and disposal facility. PW-1 is an 12-inch diameter PVC sewer pipe which was installed during site upgrades in 1987. PW-1 creates a localized depression of the shallow water table in the area and lowers the water level in the vicinity of the UST compound and the fuel pumps. The water from PW-1 has historically been discharged to the ground surface in a grassy bio-swale south of the fuel distribution area and has not been regulated. After Marvac pumped the well dry several times, a 1/8-inch layer of PHC returned to the water surface. The 8-inch diameter sump pump on the bottom of the well was replaced and a carbon treatment vessel was installed at the water discharge. A sample was collected from the water discharge after installation of the carbon vessel which did not contain detectable concentrations of PHC (Table 2 – Dis-1). A schematic of the well pumping system is illustrated in Figure 3.

SD&C was contracted by Colony to remove contaminated soil in the spill area and the surface water discharge swale down gradient of the site. During February 2014, a total of 39.1 tons of PHC impacted soil were transported off-site using thermal incineration at the CEMEX USA facility located in Everett, WA. Confirmation soil samples were collected from the excavation and submitted to ALS which indicated that the impacted soil had been removed and did not contain detectable concentrations of PHC (Table 1). Upon completion, the excavation in the down gradient swale was backfilled using imported 4-6" cobbles, the material beneath the site was replaced with 2-4" quarry spall overlain by road base and surfaced with asphalt pavement.

An air sparging system which was previously installed and operated at the site was reactivated during March 2014, and connected to PW-1. The system is composed of a rotron-blower which is connected with subsurface 2" PVC piping to discharge beneath the groundwater surface in PW-1. The blower was placed in a rain resistant shelter on level imported fill soil along the fence line paralleling the southern portion of the gas station facility as illustrated in Figure 3. Operation of the system does not release volatile vapors outside of the well casing. Based upon Puget Sound Clean Air Agency (PSCAA) regulation I.6.03.C the sparging system discharge is below the TPH/BTEX threshold of 15/lbs/yr. and is exempt from regulations. The sparge system

is anticipated to be operated for one year (June 2015) until PHC concentrations decrease below MTCA method A cleanup levels in the monitoring wells and PW-1.
An additional carbon vessel was added to the groundwater treatment system to work in series with the existing filter during May 2014. After installing the treatment vessel, water samples were collected from MW-1, 2 &3, PW-1, the discharge from vessel #1 (Dis-1), Vessel #2 (Dis-2) and the water in the grass swale (SW-1). The results indicated that PHC concentrations have decreased significantly but continue to exceed the MTCA method A cleanup levels as indicated in Table 2.

Scope of Work

The following scope of work was prepared to continue groundwater treatment at the site until the concentrations decrease below MTCA method A cleanup levels. The scope of work includes sampling the groundwater on a quarterly basis, documentation of the sampling events, continuing activated carbon filtration and air sparging systems, closure of the site with Ecology, and decommissioning the wells and equipment in use at the site.

Groundwater Monitoring, Reporting, and Regulatory Closure

SD&C will collect water samples from the pumping well, the water treatment system prior to (Dis-1) and after (Dis-2) discharge, and from the three existing monitoring wells during eight quarterly sampling events. The water samples will be delivered under chain-of-custody to ALS for analysis. The samples will be collected using EPA approved protocol. The PW-1 will be sampled after completion of a pumping cycle to insure that the samples are reflective of the aquifer parameters. The groundwater samples will be collected using a low flow peristaltic pump to minimize the potential volatilization of gasoline constituents. The treatment system water will be sampled directly from the discharge pipe.

The groundwater samples collected will be analyzed for the following PHCs:

- Gasoline using Ecology Method WTPH-GX; and
- BTEX using EPA Method 8021;

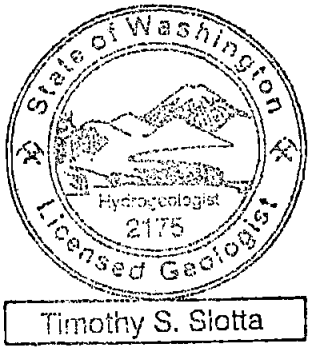
Quarterly reports will be prepared to summarize the laboratory data, document site activities, and provide conclusions and recommendations. The reports will identify data trends, system upgrades, and alterations as necessary. A summary report will be prepared at the completion of four consecutive quarterly results below MTCA method A cleanup levels for all the wells at the site. The closure report will summarize the field tasks, which will contain figures indicating the locations and media of the samples collected, their relative distances from significant Site features, and residual contaminant concentrations, if any. An application will be prepared to again enroll the Site into Ecology's VCP. Estimated costs are included for entering the facility into the VCP and providing the necessary documents and resources to obtain an NFA determination based upon the remedial action and assumptions described in this work plan. SD&C will also update the necessary information into Ecology's EIM database.

System maintenance activities include inspection of the air injection system plumbing for leaks or cracks, and repair of minor electrical issues such as tripped circuit breakers. The maintenance does not include major mechanical breakdown of the system which are beyond the control of the operator. Samples will be collected from the treatment system after the first carbon vessel (Dis-1) to evaluate if breakthrough may be occurring, and after the backup vessel (Dis-2) to demonstrate that there are no releases to the grassy swale to the south. The carbon vessel treatment usage is estimated to be 2.9 lbs per 5,000 gallons treatment at 15 mg/L, or an estimated replacement time every 60 days. It is anticipated that concentrations in groundwater will decrease linearly during one year of operation and will require 6 vessels replacements during the lifecycle of the project. The carbon vessels will remain attached to the system discharge after completion of the achievement of the MTCA method A cleanup levels, and throughout the four quarters of quarterly monitoring until Ecology authorizes a NFA. The carbon vessels will be retained until the project completion, and disposed of off-site under subcontract with Marvac.

If you have any questions regarding the contents of this workplan please contact SD&C at (206)459-5775.

Sincerely,

Timothy S. Slotta L.G. L.H.G. L.E.G
Hydrogeologist #2175



cc: Barry Ziker, Joyce Ziker Parkinson PLLC
Karen Ryan – Rykar Investments Inc.

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/15/2014 EV14120056 EV14120056-01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/08/2014
CLIENT PROJECT:	Lk Goodwin	COLLECTION DATE:	12/8/2014 2:00:00 PM
CLIENT SAMPLE ID	MW-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	12/15/2014	DLC
Benzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Toluene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Xylenes	EPA-8021	U	3.0	1	ug/L	12/15/2014	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	83.1	12/15/2014	DLC
TFT	EPA-8021	84.9	12/15/2014	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/15/2014 EV14120056 EV14120056-02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/08/2014
CLIENT PROJECT:	Lk Goodwin	COLLECTION DATE:	12/8/2014 1:30:00 PM
CLIENT SAMPLE ID	MW-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	12/15/2014	DLC
Benzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Toluene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Xylenes	EPA-8021	U	3.0	1	ug/L	12/15/2014	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**77.6**	12/15/2014	DLC
TFT	EPA-8021	**79.0**	12/15/2014	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/15/2014 EV14120056 EV14120056-03
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/08/2014
CLIENT PROJECT:	Lk Goodwin	COLLECTION DATE:	12/8/2014 1:20:00 PM
CLIENT SAMPLE ID	MW-6	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	12/15/2014	DLC
Benzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Toluene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Xylenes	EPA-8021	U	3.0	1	ug/L	12/15/2014	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	79.4	12/15/2014	DLC
TFT	EPA-8021	81.6	12/15/2014	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/15/2014 EV14120056 EV14120056-04
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/08/2014
CLIENT PROJECT:	Lk Goodwin	COLLECTION DATE:	12/8/2014 1:10:00 PM
CLIENT SAMPLE ID	PW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**6800**	500	10	ug/L	12/15/2014	DLC
Benzene	EPA-8021	**30**	1.0	1	ug/L	12/15/2014	DLC
Toluene	EPA-8021	**62**	1.0	1	ug/L	12/15/2014	DLC
Ethylbenzene	EPA-8021	**92**	1.0	1	ug/L	12/15/2014	DLC
Xylenes	EPA-8021	**750**	30	10	ug/L	12/15/2014	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	**94.9**	12/15/2014	DLC
TFT	EPA-8021	**112**	12/15/2014	DLC
TFT 10X Dilution	EPA-8021	**97.7**	12/15/2014	DLC

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/15/2014 EV14120056 EV14120056-05
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/08/2014
CLIENT PROJECT:	Lk Goodwin	COLLECTION DATE:	12/8/2014 12:00:00 PM
CLIENT SAMPLE ID	DIS-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	12/15/2014	DLC
Benzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Toluene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	12/15/2014	DLC
Xylenes	EPA-8021	U	3.0	1	ug/L	12/15/2014	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	87.4	12/15/2014	DLC
TFT	EPA-8021	90.2	12/15/2014	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C	DATE:	12/15/2014
	PO Box 2071	ALS SDG#:	EV14120056
	Kirkland, WA 98083	WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Lk Goodwin		

LABORATORY BLANK RESULTS

MBG-121214W - Batch 88875 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	12/12/2014	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-121214W - Batch 88875 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	ug/L	12/12/2014	DLC
Toluene	EPA-8021	U	1.0	1	ug/L	12/12/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	12/12/2014	DLC
Xylenes	EPA-8021	U	3.0	1	ug/L	12/12/2014	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C	DATE:	12/15/2014
	PO Box 2071	ALS SDG#:	EV14120056
	Kirkland, WA 98083	WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Lk Goodwin		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 88875 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	74.7			12/12/2014	DLC
TPH-Volatile Range - BSD	NWTPH-GX	81.1	8		12/12/2014	DLC

ALS Test Batch ID: 88875 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	99.9			12/12/2014	DLC
Benzene - BSD	EPA-8021	104	4		12/12/2014	DLC
Toluene - BS	EPA-8021	95.7			12/12/2014	DLC
Toluene - BSD	EPA-8021	99.1	4		12/12/2014	DLC
Ethylbenzene - BS	EPA-8021	95.4			12/12/2014	DLC
Ethylbenzene - BSD	EPA-8021	99.8	5		12/12/2014	DLC
Xylenes - BS	EPA-8021	94.2			12/12/2014	DLC
Xylenes - BSD	EPA-8021	98.6	5		12/12/2014	DLC

APPROVED BY

Laboratory Director

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV1412005 6

Date 12-8-14 Page 1 Of 1

PROJECT ID: LK GOODWIN
REPORT TO COMPANY: SDgC
PROJECT MANAGER: T. SLOTTA
ADDRESS: P.O. BOX 2071
KIRKLAND, WA
PHONE: (206)459-5775 FAX:
P.O. #: E-MAIL: TS4SDC@HOTMAIL
INVOICE TO COMPANY: COLONY
ATTENTION: CAROL LYBEER
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-4	12/8/14	14:00	H_2O	1			X	X												2	
2. MW-5	"	13:30	"	2			X	X												2	
3. MW-6	"	13:20	"	3			X	X												2	
4. PW-1	"	13:10	"	4			X	X												2	
5. DIS-1	"	12:00	"	5			X	X												2	
6.																					
7.																					
8.																					
9.																					
10.																					

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time)

1. Relinquished By: SDgC 12/8/14 14:20
Received By: ALS 12/8/14 14:20
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

December 20, 2013

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On December 19th, 2 samples were received by our laboratory and assigned our laboratory project number EV13120125. The project was identified as your Lk Goodwin Grocery. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental
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Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV13120130

Date _____ Page 1 of 1

PROJECT ID: LK GOODWIN GROCERY
REPORT TO COMPANY: SDqC
PROJECT MANAGER: T. SLOTTA
ADDRESS: P.O. BOX 2071
KIRKLAND WA 98083
PHONE: (206)459-5775 FAX:
P.O. #: E-MAIL: TS4SDC@HOTMAIL
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. FS2 @ 1'	12/19	3:30	SOIL	1			X	X												3	
2. MW-5	"	5:45	H_2O	2			X	X												2	
3. MW-4	"	4:00	"	3			X	X												2	
4. MW-6	"	4:15	"	4			X	X												2	
5. ~~FW-1 TS~~							~~X~~	~~X~~													
6.																					
7.																					
8.																					
9.																					
10.																					

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: TIM SLOTTA SDqC 12-9-13
Received By: ALS 12/9/13 4:20
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis: 10 (Standard) 5 3 2 1 SAME DAY
Fuels & Hydrocarbon Analysis: 5 (Standard) 3 (1) SAME DAY
OTHER:
Specify:

* Turnaround request less than standard may incur Rush Charges

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/20/2013 EV13120125 -01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/19/2013
CLIENT PROJECT:	Lk Goodwin Grocery	COLLECTION DATE:	12/19/2013 11:15:00 AM
CLIENT SAMPLE ID	FS1@6"	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**8600**	360	100	MG/KG	12/19/2013	DLC
Benzene	EPA-8021	**47**	3.0	100	MG/KG	12/19/2013	DLC
Toluene	EPA-8021	**410**	5.0	100	MG/KG	12/19/2013	DLC
Ethylbenzene	EPA-8021	**150**	5.0	100	MG/KG	12/19/2013	DLC
Xylenes	EPA-8021	**990**	20	100	MG/KG	12/19/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	**128 GS2**	12/19/2013	DLC
TFT 100X Dilution	EPA-8021	**167 GS2**	12/19/2013	DLC

GS2 - Surrogate outside of control limits due to dilution.
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	12/20/2013 EV13120125 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Lk Goodwin Grocery		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 7487 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	66.2			12/19/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	72.5	9		12/19/2013	DLC

ALS Test Batch ID: 7476 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	67.0			12/16/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	66.2	1		12/16/2013	DLC

ALS Test Batch ID: 7487 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	96.6			12/19/2013	DLC
Benzene - BSD	EPA-8021	96.8	0		12/19/2013	DLC
Toluene - BS	EPA-8021	99.1			12/19/2013	DLC
Toluene - BSD	EPA-8021	99.6	1		12/19/2013	DLC
Ethylbenzene - BS	EPA-8021	95.3			12/19/2013	DLC
Ethylbenzene - BSD	EPA-8021	96.0	1		12/19/2013	DLC
Xylenes - BS	EPA-8021	98.5			12/19/2013	DLC
Xylenes - BSD	EPA-8021	98.9	0		12/19/2013	DLC

ALS Test Batch ID: 7476 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	89.8			12/16/2013	DLC
Benzene - BSD	EPA-8021	91.9	2		12/16/2013	DLC
Toluene - BS	EPA-8021	89.1			12/16/2013	DLC
Toluene - BSD	EPA-8021	91.1	2		12/16/2013	DLC
Ethylbenzene - BS	EPA-8021	89.6			12/16/2013	DLC
Ethylbenzene - BSD	EPA-8021	90.2	1		12/16/2013	DLC
Xylenes - BS	EPA-8021	90.2			12/16/2013	DLC
Xylenes - BSD	EPA-8021	92.2	2		12/16/2013	DLC

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	12/20/2013 EV13120125 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Lk Goodwin Grocery		

LABORATORY BLANK RESULTS

MBG-121913S - Batch 7487 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/19/2013	DLC

MBG-121613W - Batch 7476 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/16/2013	DLC

MB-121913S - Batch 7487 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	12/19/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	12/19/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/19/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/19/2013	DLC

MB-121613W - Batch 7476 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	12/16/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	12/16/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/16/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	12/16/2013	DLC

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CERTIFICATE OF ANALYSIS

APPROVED BY

Laboratory Director

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ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV13120125

Date _____ Page 1 Of 1

PROJECT ID:	LK GOODWIN GROCERY
REPORT TO COMPANY:	SD&C
PROJECT MANAGER:	T. SLOTTA
ADDRESS:	P.O. BOX 2071
	KIRKLAND, WA 98083
PHONE:	(206) 459-5775 FAX:
P.O. #:	E-MAIL:
INVOICE TO COMPANY:	
ATTENTION:	
ADDRESS:	

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. FS1 @ 6"	12-19-13	18:15	SOIL	1			X	(X)												3	
2. PW-1	12-19-13	12:00	H_2O	2			X													2	
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					

SPECIAL INSTRUCTIONS #2 is pure product. SR

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TIM SLOTTA 12-19-13 12:45
   Received By: [signature]
2. Relinquished By: _____
   Received By: Shawn Rebura ALS 12/19/13 12:45

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 (Standard) | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 (Standard) | 3 | 1 | SAME DAY

OTHER: Specify: _____

* Turnaround request less than standard may incur Rush Charges

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	12/20/2013 EV13120130 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Lk Goodwin Grocery		

LABORATORY BLANK RESULTS

MBG-121913S - Batch 7487 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/19/2013	DLC

MBG-121613W - Batch 7476 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/16/2013	DLC

MB-121913S - Batch 7487 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	12/19/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	12/19/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/19/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/19/2013	DLC

MB-121613W - Batch 7476 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	12/16/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	12/16/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/16/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	12/16/2013	DLC

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS SDG#: WDOE ACCREDITATION:	12/20/2013 EV13120130 C601
CLIENT CONTACT:	Tim Slotta		
CLIENT PROJECT:	Lk Goodwin Grocery		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 7487 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	66.2			12/19/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	72.5	9		12/19/2013	DLC

ALS Test Batch ID: 7476 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	67.0			12/16/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	66.2	1		12/16/2013	DLC

ALS Test Batch ID: 7487 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	96.6			12/19/2013	DLC
Benzene - BSD	EPA-8021	96.8	0		12/19/2013	DLC
Toluene - BS	EPA-8021	99.1			12/19/2013	DLC
Toluene - BSD	EPA-8021	99.6	1		12/19/2013	DLC
Ethylbenzene - BS	EPA-8021	95.3			12/19/2013	DLC
Ethylbenzene - BSD	EPA-8021	96.0	1		12/19/2013	DLC
Xylenes - BS	EPA-8021	98.5			12/19/2013	DLC
Xylenes - BSD	EPA-8021	98.9	0		12/19/2013	DLC

ALS Test Batch ID: 7476 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	89.8			12/16/2013	DLC
Benzene - BSD	EPA-8021	91.9	2		12/16/2013	DLC
Toluene - BS	EPA-8021	89.1			12/16/2013	DLC
Toluene - BSD	EPA-8021	91.1	2		12/16/2013	DLC
Ethylbenzene - BS	EPA-8021	89.6			12/16/2013	DLC
Ethylbenzene - BSD	EPA-8021	90.2	1		12/16/2013	DLC
Xylenes - BS	EPA-8021	90.2			12/16/2013	DLC
Xylenes - BSD	EPA-8021	92.2	2		12/16/2013	DLC

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APPROVED BY

Laboratory Director

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ALS Laboratory Group A Campbell Brothers Limited Company

December 20, 2013

Mr. Tim Slotta
SD & C
PO Box 2071
Kirkland, WA 98083

Dear Mr. Slotta,

On December 19th, 4 samples were received by our laboratory and assigned our laboratory project number EV13120130. The project was identified as your Lk Goodwin Grocery. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/20/2013 EV13120130 -01
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/19/2013
CLIENT PROJECT:	Lk Goodwin Grocery	COLLECTION DATE:	12/19/2013 3:30:00 PM
CLIENT SAMPLE ID	FS2@1"	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	1900	19	4	MG/KG	12/20/2013	DLC
Benzene	EPA-8021	16	0.15	4	MG/KG	12/20/2013	DLC
Toluene	EPA-8021	90	0.20	4	MG/KG	12/20/2013	DLC
Ethylbenzene	EPA-8021	19	0.20	4	MG/KG	12/20/2013	DLC
Xylenes	EPA-8021	160	0.80	4	MG/KG	12/20/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 4X Dilution	NWTPH-GX	90.5	12/20/2013	DLC
TFT 4X Dilution	EPA-8021	95.9	12/20/2013	DLC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/20/2013 EV13120125 -02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/19/2013
CLIENT PROJECT:	Lk Goodwin Grocery	COLLECTION DATE:	12/19/2013 12:00:00 PM
CLIENT SAMPLE ID	PW-1	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**550000000**	4.00E+07	8.00E+05	UG/L	12/20/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 800000X Dilution	NWTPH-GX	**105**	12/20/2013	DLC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/20/2013 EV13120130 -02
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/19/2013
CLIENT PROJECT:	Lk Goodwin Grocery	COLLECTION DATE:	12/19/2013 3:45:00 PM
CLIENT SAMPLE ID	MW-4	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**17000**	1000	20	UG/L	12/20/2013	DLC
Benzene	EPA-8021	**57**	20	20	UG/L	12/20/2013	DLC
Toluene	EPA-8021	**960**	20	20	UG/L	12/20/2013	DLC
Ethylbenzene	EPA-8021	**350**	20	20	UG/L	12/20/2013	DLC
Xylenes	EPA-8021	**2100**	60	20	UG/L	12/20/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	**104**	12/20/2013	DLC
TFT 20X Dilution	EPA-8021	**112**	12/20/2013	DLC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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ALS Laboratory Group A Campbell Brothers Limited Company

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/20/2013 EV13120130 -03
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/19/2013
CLIENT PROJECT:	Lk Goodwin Grocery	COLLECTION DATE:	12/19/2013 4:00:00 PM
CLIENT SAMPLE ID	MW-5	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**1900**	50	1	UG/L	12/20/2013	DLC
Benzene	EPA-8021	**15**	1.0	1	UG/L	12/20/2013	DLC
Toluene	EPA-8021	**180**	1.0	1	UG/L	12/20/2013	DLC
Ethylbenzene	EPA-8021	**47**	1.0	1	UG/L	12/20/2013	DLC
Xylenes	EPA-8021	**280**	3.0	1	UG/L	12/20/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**95.3**	12/20/2013	DLC
TFT	EPA-8021	**106**	12/20/2013	DLC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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CERTIFICATE OF ANALYSIS

CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083	DATE: ALS JOB#: ALS SAMPLE#:	12/20/2013 EV13120130 -04
CLIENT CONTACT:	Tim Slotta	DATE RECEIVED:	12/19/2013
CLIENT PROJECT:	Lk Goodwin Grocery	COLLECTION DATE:	12/19/2013 4:15:00 PM
CLIENT SAMPLE ID	MW-6	WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	**1600**	50	1	UG/L	12/20/2013	DLC
Benzene	EPA-8021	**11**	1.0	1	UG/L	12/20/2013	DLC
Toluene	EPA-8021	**130**	1.0	1	UG/L	12/20/2013	DLC
Ethylbenzene	EPA-8021	**34**	1.0	1	UG/L	12/20/2013	DLC
Xylenes	EPA-8021	**220**	3.0	1	UG/L	12/20/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**98.9**	12/20/2013	DLC
TFT	EPA-8021	**107**	12/20/2013	DLC

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.

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