NW 2974

SD&C

PO Box 2071 Kirkland, WA 98083 e-mail ts4sdc@hotmail.com

June 17, 2014

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

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

PSARS RECEIVED

Phone (206) 459-5775

APR 2 3 2015 DEPT OF ECOLOGY TCP - NWRO

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;

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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

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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.



		CERTIFIC	ATE OF ANALYSIS	<u> </u>	• • • •	· - · · ·	
CLIENT:	SD & C			DATE:	12/15/2	2014	
	PO Box 2071			ALS JOB#:	EV141	20056	
	Kirkland, WA 98083			ALS SAMPLE#:	EV141	20056-01	
CLIENT CONTACT:	Tim Slotta		ATE RECEIVED:	12/08/2	2014		
CLIENT PROJECT:	Lk Goodwin		LECTION DATE:	12/8/20	014 2:00:00) PM	
CLIENT SAMPLE ID	MW-4		WDOE A	CCREDITATION:	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	ប	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
TRT	NWTPH-GX	83.1				12/15/2014	DLC
זדד	EPA-8021	84.9				12/15/2014	DLC

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600

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	<u> </u>	CERTIFIC	ATE OF ANALYSIS	<u></u>			
CLIENT:	SD & C			DATE:	12/15/2	2014	
	PO Box 2071			ALS JOB#:	EV141	20056	
	Kirkland, WA 98083			ALS SAMPLE#:	EV141	20056-02	
CLIENT CONTACT:	Tim Slotta		D	ATE RECEIVED:	12/08/2	2014	
CLIENT PROJECT:	Lk Goodwin		COL	LECTION DATE:	12/8/20	014 1:30:00) PM
CLIENT SAMPLE ID	MW-5		WDOE AC	CCREDITATION:	C601		
	CONTACT: Tim Slotta DATE RECEIVE PROJECT: Lk Goodwin COLLECTION DAT SAMPLE ID MW-5 WDOE ACCREDITATIO SAMPLE DATA RESULTS REPORTING DILUTION						
ANALYTE	METHOD	RESULTS			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

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CLIENT:	SD & C			DATE:	12/15/2	2014		
	PO Box 2071			ALS JOB#:	EV141	20056		
	Kirkland, WA 98083			ALS SAMPLE#:	EV141	20056-03		
CLIENT CONTACT:	Tim Slotta			ATE RECEIVED:	12/08/2			
CLIENT PROJECT:	Lk Goodwin		LECTION DATE:	12/8/20	014 1:20:00	D PM		
CLIENT SAMPLE ID	MW-6		WDOE AC	CCREDITATION:	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	ប	1.0	1	ug/L	12/15/2014	DLC	
Ethylbenzene	EPA-8021	υ	1.0	1	ug/L	12/15/2014	DLC	
Xylenes	EPA-8021	U	3.0	1	ug/L	12/15/2014	DLC	
						ANALYSIS DATE	ANALYSIS BY	
SURROGATE	METHOD	%REC				DATE	PT	
1 7T	NWTPH-GX	79.4				12/15/2014	DLC	
ं नग	EPA-8021	81.6				12/15/2014	DLC	

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CLIENT:	SD & C			DATE:	12/15/2	2014		
	PO Box 2071			ALS JOB#:	EV141	20056		
	Kirkland, WA 98083			ALS SAMPLE#:	EV141	20056-04		
CLIENT CONTACT:	Tim Slotta			ATE RECEIVED:	12/08/2	2014		
CLIENT PROJECT:	Lk Goodwin		COL	LECTION DATE:	12/8/20	014 1:10:00	D PM	
CLIENT SAMPLE ID	PW-1		WDOE A	CCREDITATION:	C601			
	······	SAMPLE					•	
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	۱
TPH-Volatile Range	NWTPH-GX	6800	500	10	ug/L	12/15/2014	DLC	3
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	ł
Ethylbenzene	EPA-8021	92	1.0	1	ug/L	12/15/2014	DLC	ł
Xylenes	EPA-8021	750	30	10	ug/L	12/15/2014	DLC	3
SURROGATE	METHOD	%REC				ANALYSIS DATE	ANALYSIS BY	,
	NWTPH-GX	94.9				12/15/2014	DLC	:
TFT 10X Dilution	EPA-8021	94.9 112				12/15/2014	DLC	
TFT 10X Dilution	EPA-8021	97.7				12/15/2014	DLC	;

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	· <u></u>	CERTIFIC	ATE OF ANALYSIS		<u></u>		<u> </u>	
CLIENT:	SD & C PO Box 2071		DATE: ALS JOB#:	12/15/2 EV141	20056			
	Kirkland, WA 98083		n	ALS SAMPLE#:		20056-05		
CLIENT CONTACT:	Tim Slotta			ATE RECEIVED:	12/08/2			
CLIENT PROJECT:	Lk Goodwin			LECTION DATE:		014 12:00:0		
CLIENT SAMPLE ID	DIS-1		WDOE A	CCREDITATION:	C601			
· · · · · · · · · · · · · · · · · · ·	·	SAMPLE	•••••					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	ı
TPH-Volatile Range	NWTPH-GX	U	. 50	1	ug/L	12/15/2014	DLC	į
Benzene	EPA-8021	U	· 1.0	1	ug/L	12/15/2014	DLC	1
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	1
Xylenes	EPA-8021	U	3.0	1	ug/L.	12/15/2014	DLC	i
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	1

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+ FAX 425-356-2626



		CERTIFIC	ATE OF ANALYSI	S				
CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083		DATE: ALS SDG#: CREDITATION:	12/15/2 EV1412 C601				
CLIENT CONTACT: CLIENT PROJECT:	Tim Slotta Lk Goodwin							
		LABORATO	RY BLANK RESUL	TS				
MBG-121214W - Bat	ch 88875 - Water by N	WTPH-GX						
ANALYTE	· METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	. UNITS	DATE	BY	:
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 REPORTING DILUTION ANALYSIS AN					DLC	- '		
U - Analyte analyzed for	but not detected at level above rep	porting limit.		-				
MB-121214W - Batcl	h 88875 - Water by EP/	\-8021						
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	. UNITS	ANALYSIS DATE	ANALYSIS BY	:
Benzene	EPA-8021	บ่	1.0	1	ug/L	12/12/2014	DLC	I
Toluene	EPA-8021	U	1.0	1	ug/L	12/12/2014	ÐLC	I

1.0

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ug/L

ug/L

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12/12/2014

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U

DLC

DLC

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

EPA-8021

EPA-8021

Ethylbenzene

Xylenes

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CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083			DATE: ALS SDG#: WDOE ACCREDITATION:	12/15/2014 EV14120056 C601	• •
CLIENT CONTACT:	Tim Slotta					
CLIENT PROJECT:	Lk Goodwin					
		ORATORY	CONTR	ROL SAMPLE RESULTS		
			CONTR	ROL SAMPLE RESULTS		
	LAB		CONTE	ROL SAMPLE RESULTS	ANALYSIS DATE 12/12/2014	ANALYSIS BY DLC

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	DATE	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

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Laboratory Director

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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only) *

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Data 12-8-14

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ADDRESS:		·····			NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA	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 🗆	C Pesticides	Metals-MTCA-5	Metals Other (Specify)	TCLP-Metals								NUMBER OF	RECEIVED IN GOOD CONDITION?
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWT	INWT	ITWN	BTEX	MTBE	Halog	Volati	EDB/	EDB/	Semi	Polyc	뛶	Metal	Metal	TCLP	•								E E E
1. MW-4	12 8/14	14100	14,0				X	\times																			2	
2. MW-5	10	129:30	n	2			X	X																			2	
3. MW-6	G	13.20		3			X	X												_							2	
4. PW-1	[i	13/10	17	4			X	\overline{X}		-										·		 				1	2	
5. DIS-1	il	121.00	p	5			λ	X																-			4	
6.												_										·					-	
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10,																										-	-	-
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SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Tim	12 12 12 14 14:00		REQUESTED in Business Days*
1. Relinquished By:	An 5)96 121011 19,20	Organic, Metals & Inorganic Analysis	OTHER: Specify:
2. Relinquished By:		Fuels & Hydrocarbon Analysis	
Received By:		Standor	Turnaround ranual lass than standard may logur Ruch Charge



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

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Chain Of Custody/ Laboratory Analysis Request

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REPORT TO COMPANY: 5DgC				· <u>·</u> ····									1															
MANAGER: T. SLC	2TTA													_														
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ATTENTION:	<u> </u>			+				8021	-802	/olati	60 03 03	PA 82	PA 82	rgani	atic Hy	Pesticides	501	Speci	VOA							'	OF CONTAINERS	N GC
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					UMTPH-HCID	XO-H-UMN	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		Metals-MTCA-5 🗆 RCRA-8 🗆 Pri Pol 🗀 TAL	Metals Other (Specify)	TCLP-Metals 🗌 VOA 🗋 Semi-Vol 🗌 Pest 🗍 Herbs 🗆			·					NUMBER	RECEIVED IN GOOD CONDITION?
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	Ξ	N	N.		E.	Hai	9	<u></u>	<u></u>	Sei	Ē	PCB	Met	Met	TCL								Z	Ĩ
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SPECIAL INSTRUCTIONS

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SIGNATURES (Name, Company, Date, Time): 1. Relinguished By: TCH SLOTTA SDGC 12-9-13	TURNAROUND Organic, Metaís & inorganic Analysis	REQUESTED in Business Days* OTHER:
Received By: ALS 12/19/13 4:20	10 5 3 2 1 BAVE	Specify:
2, Relinquished By:	Fuels & Hydrocarbon Analysis	
Received By:	Standard	* Turneround request lass than standard may incur Rush Charges



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CLIENT:	SD & C PO Box 2071			DAT ALS JOE	#: EV	20/2013 13120125		
	Kirkland, WA 98083			ALS SAMPLE	:#: -01			
CLIENT CONTACT:	Tim Slotta		I	DATE RECEIVE	D: 12/	19/2013		
CLIENT PROJECT:	Lk Goodwin Grocery		CO	LLECTION DAT	'E: 12/'	19/2013 11:	15:00 AM	
CLIENT SAMPLE ID	FS1@6"		WDOE /	ACCREDITATIO	N: C60	01		
· · · · · ·	·····	DA		<u> </u>			· · · · · · · · · · · · · · · · · · ·	
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS J 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	:
Xyienes	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	:

CERTIFICATE OF ANALYSIS

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GS2 - Surrogate outside of control limits due to dilution.

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

Page 2
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RIGHT SOLUTIONS DUGLE LOOP DEED



	·	CERT	IFICATE	OF ANALYSIS		
CLIENT:	SD & C			DATE:	12/20/2013	
	PO Box 2071			ALS SDG#:	EV13120125	
	Kirkland, WA 98083			WDOE ACCREDITATION:	C601	
CLIENT CONTACT:	Tim Slotta				0001	
CLIENT PROJECT:	Lk Goodwin Grocery					
			CONT	ROL SAMPLE RESULTS	· · ·	<u></u>
ALS Test Batch ID: 7	487 - Soil by NWTPH-	GX			ANALYSIS	ANALYSIS
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	DATE	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: 7	476 - Water by NWTPI	1-GX				
		A	-		ANALYSIS	ANALYSIS
SPIKED COMPOUND		%REC	RPD	QUAL	DATE	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: 7	487 - Soil by EPA-802 [.]	1			ANAL VSIS	AMAI VSIS
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE 12/19/2013	ANALYSIS BY
SPIKED COMPOUND Benzene - BS	METHOD EPA-8021	%REC 96.6		QUAL	DATE 12/19/2013	BY DLC
SPIKED COMPOUND Benzene - BS Benzene - BSD	METHOD EPA-8021 EPA-8021	%REC 96.6 96.8	RPD 0	QUAL	DATE 12/19/2013 12/19/2013	BY DLC DLC
SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS	METHOD EPA-8021 EPA-8021 EPA-8021	%REC 96.6 96.8 99.1	0	QUAL	DATE 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC
SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 96.8 99.1 99.6		QUAL	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC BLC
SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD Ethylbenzene - BS	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 96.8 99.1 99.6 95.3	0	QUAL	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC DLC DLC
SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD Ethylbenzene - BS Ethylbenzene - BSD	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 99.1 99.6 95.3 96.0	0	QUAL	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC BLC DLC DLC
SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD Ethylbenzene - BS Ethylbenzene - BSD Xylenes - BS	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 99.1 99.6 95.3 96.0 98.5	0 1 1	QUAL	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC DLC DLC DLC DLC
SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD Ethylbenzene - BS Ethylbenzene - BSD Xylenes - BS	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 99.1 99.6 95.3 96.0 98.5 98.9	0	QUAL	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC BLC DLC DLC
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SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD Ethylbenzene - BS Ethylbenzene - BSD Xylenes - BS Xylenes - BSD ALS Test Batch ID: 74 SPIKED COMPOUND	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 99.1 99.6 95.3 96.0 98.5 98.9 021	0 1 1	QUAL	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC BLC DLC DLC DLC DLC DLC ANALYSIS BY
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SPIKED COMPOUND Benzene - BS Benzene - BSD Toluene - BS Toluene - BSD Ethylbenzene - BS Ethylbenzene - BSD Xylenes - BSD ALS Test Batch ID: 74 SPIKED COMPOUND Benzene - BS Benzene - BSD Foluene - BS	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021 476 - Water by EPA-80 METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021	%REC 96.6 99.1 99.6 95.3 96.0 98.5 98.9 021 %REC 89.8 91.9 89.1	0 1 1 0 RPD 2		DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/16/2013 12/16/2013 12/16/2013	BY DLC DLC DLC DLC DLC DLC DLC ANALYSIS BY DLC DLC DLC DLC DLC
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Page 5 . 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

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RIGHT SQUITIONS DESIGN FRADER



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CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083			DATE: ALS SDG#: CREDITATION:	12/20/2 EV1312 C601		
CLIENT CONTACT:	Tim Slotta		110021100		0001		
CLIENT PROJECT:	Lk Goodwin Grocery						
	· · · · · · · ·	LABORATO	RY BLANK RESUL	TŜ			
MBG-121913S - Bate	ch 7487 - Soil by NWTP	H-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
ANALYTE TPH-Volatile Range	METHOD NWTPH-GX	RESULTS U	REPORTING LIMITS 50	DILUTION FACTOR 1	UNITS UG/L	ANALYSIS DATE 12/16/2013	ANALYSIS BY DLC
MB-121913S - Batch	7487 - Soil by EPA-80	21					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	ບ	0.030	1		12/19/2013	DLC
Toluene						40/40/0040	
	EPA-8021	U	0.050	1		12/19/2013	DLC
Ethylbenzene	EPA-8021	Ŭ	0.050	1	MG/KG	12/19/2013	DLC
Ethylbenzene		_		1 1 1	MG/KG		
Ethylbenzene Xylenes	EPA-8021	U U	0.050	1 1 1	MG/KG	12/19/2013	DLC
Ethylbenzene Xylenes MB-121613W - Batcł	EPA-8021 EPA-8021	U U B021	0.050 0.20 REPORTING	DILUTION	MG/KG MG/KG	12/19/2013	DLC DLC
Ethylbenzene Xylenes MB-121613W - Batcł ANALYTE	EPA-8021 EPA-8021	U U	0.050 0.20		MG/KG	12/19/2013 12/19/2013 ANALYSIS	DLC DLC ANALYSIS
Ethylbenzene Xylenes MB-121613W - Batch ANALYTE Benzene	EPA-8021 EPA-8021 7 7476 - Water by EPA- METHOD	U U 8021 RESULTS	0.050 0.20 REPORTING LIMITS	DILUTION FACTOR	MG/KG MG/KG UNITS	12/19/2013 12/19/2013 ANALYSIS DATE	DLC DLC ANALYSIS BY
Ethylbenzene Xylenes	EPA-8021 EPA-8021 7 7476 - Water by EPA- METHOD EPA-8021	U U 8021 RESULTS U	0.050 0.20 REPORTING LIMITS 1.0	DILUTION FACTOR	MG/KG MG/KG UNITS UG/L	12/19/2013 12/19/2013 ANALYSIS DATE 12/16/2013	DLC DLC ANALYSIS BY DLC

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

APPROVED BY

Laboratory Director

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RIGHT SOLUTIONS PROPER PARTICLES



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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

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ATTENTION:	<u> </u>			×					-802	A-802	Volati	nic Cc	EPA 82	EPA 82	Organ	natic H	sticide	1-5 []	(Spec	0A C							U U U U	N N
ADDRE\$S;						NWTPH-HCID	Xa-	¥.	BTEX by EPA-8021	MTBE by EPA-8021	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 Atomatic Hydrocarbons (PAH) by EPA-8270 SIM	□ Pesticides □ by EPA 8081/8082	Metals-MTCA-5 🗆 RCRA-8 🗆 Pri Pol 🗆 TAL	Metals Other (Specify)	fCLP-Atetais 🗋 VOA 🗍 Semi-Vol 🗍 Pest 🗍 Herbs 🗍				Į			NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
SAMPLE I.D.	DAT	E	TIME	TYPE,	LAB#	M	NWTPH-DX	NWTPH-GX	TEX P	ATBE	faloge	^t olatile	08/E	DB/E	emivo	blycycl	PCB [letals-	tetais	CLP-N							AUME	ECE ECE
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SPECIAL INSTRUCTIONS 2	2 15	อบ	re D	roduc	1. 5	٤																						
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SIGNATURES (Name, Com	ipany, Date	, Time	ĥa	17-	19-13	i	2.	45	5		Ora	anic,	Ma	tale .	8. 100					RE(QUES	ΓED	in Bu		ss Da HER:			
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Received By:	\rightarrow	LA	per								10 Standa	Fuel	ت				ينيا Ans	- •										
2. Relinquished By:	1.1			12/19/	, <u>, , , , , , , , , , , , , , , , , , </u>		<u> </u>	<u>.</u>					5 Stendard			Š	SAN		-								,	
Received By: Nally	1 lobu	tea_	Als	12/19/	13 1:	2:4	<u></u>	,					Stendard			~~		-		* Ti	umaroum	d rəqui	est lass	than str	andard i	may incur	Rush	Charges



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CLIENT:	SD & C PO Box 2071 Kirkland, WA 98083			DATE: ALS SDG#: REDITATION:	12/20/2 EV1312 C601		
CLIENT CONTACT:	Tim Slotta			ILDITATION.	0001		
CLIENT PROJECT:	Lk Goodwin Grocery						
· · · · · · · · · · · · · · · · · · ·		LABORATO	RY BLANK RESUL	TS			
MBG-121913S - Batc	h 7487 - Soil by NWTP:	H-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
ANALYTE TPH-Volatile Range	METHOD NWTPH-GX	RESULTS U	REPORTING LIMITS 50	DILUTION FACTOR	Units Ug/L	ANALYSIS DATE 12/16/2013	BY DLC
MB-121913S - Batch	7487 - Soil by EPA-80	74					
	1467 - 301 by EFA-60	21					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
	-						
Benzene	METHOD	RESULTS	LIMITS	FACTOR	MG/KG	DATE	BY
Benzene Foluene	METHOD EPA-8021	RESULTS	LIMITS 0.030	FACTOR	MG/KG MG/KG	DATE 12/19/2013	BY DLC
Benzene Toluene Ethylbenzene	METHOD EPA-8021 EPA-8021	RESULTS U U	LIMITS 0.030 0:050	FACTOR 1 1	MG/KG MG/KG MG/KG	DATE 12/19/2013 12/19/2013	BY DLC DLC
Benzene Toluene Ethylbenzene Xylenes	METHOD EPA-8021 EPA-8021 EPA-8021	RESULTS U U U U	LIMITS 0.030 0:050 0.050	FACTOR 1 1 1	MG/KG MG/KG MG/KG	DATE 12/19/2013 12/19/2013 12/19/2013	BY DLC DLC DLC
Benzene Toluene Ethylbenzene Xylenes M B-121613W - Batch	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 EPA-8021	RESULTS U U U U 8021	LIMITS 0.030 0.050 0.050 0.20 REPORTING	FACTOR 1 1 1 1 DILUTION	MG/KG MG/KG MG/KG MG/KG	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 ANALYSIS	BY DLC DLC DLC DLC ANALYSIS
Benzene Toluene Ethylbenzene Xylenes MB-121613W - Batch ANALYTE	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 27476 - Water by EPA- METHOD	RESULTS U U U U 8021 RESULTS	LIMITS 0.030 0.050 0.050 0.20 REPORTING LIMITS	FACTOR 1 1 1 1 DILUTION FACTOR	MG/KG MG/KG MG/KG MG/KG	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 ANALYSIS DATE	BY DLC DLC DLC DLC ANALYSIS BY
Benzene Toluene Ethylbenzene Xylenes MB-121613W - Batch ANALYTE Benzene	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 PA-8021 METHOD EPA-8021	RESULTS U U U U 8021 RESULTS U	LIMITS 0.030 0.050 0.050 0.20 REPORTING LIMITS 1.0	FACTOR 1 1 1 1 DILUTION FACTOR 1	MG/KG MG/KG MG/KG MG/KG	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 ANALYSIS DATE 12/16/2013	BY DLC DLC DLC DLC ANALYSIS BY DLC
Benzene Toluene Ethylbenzene Xylenes MB-121613W - Batch ANALYTE Benzene Toluene	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 A 7476 - Water by EPA- METHOD EPA-8021 EPA-8021	RESULTS U U U U 8021 RESULTS U U	LIMITS 0.030 0.050 0.050 0.20 REPORTING LIMITS 1.0 1.0	FACTOR 1 1 1 1 1 DILUTION FACTOR 1 1	MG/KG MG/KG MG/KG MG/KG UNITS UG/L UG/L	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/16/2013 12/16/2013	BY DLC DLC DLC DLC DLC BY DLC DLC
ANALYTE Benzene Toluene Ethylbenzene Xylenes MB-121613W - Batch ANALYTE Benzene Toluene Ethylbenzene Xylenes	METHOD EPA-8021 EPA-8021 EPA-8021 EPA-8021 PA-8021 METHOD EPA-8021	RESULTS U U U U 8021 RESULTS U	LIMITS 0.030 0.050 0.050 0.20 REPORTING LIMITS 1.0	FACTOR 1 1 1 1 DILUTION FACTOR 1	MG/KG MG/KG MG/KG MG/KG	DATE 12/19/2013 12/19/2013 12/19/2013 12/19/2013 12/19/2013 ANALYSIS DATE 12/16/2013	BY DLC DLC DLC DLC ANALYSIS BY DLC

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· · · ·		CERT	IFICATE	E OF ANALYSIS		
CLIENT:	SD & C			DATE:	12/20/2013	
	PO Box 2071			ALS SDG#:	EV13120130	
	Kirkland, WA 98083			WDOE ACCREDITATION:	C601	
CLIENT CONTACT:	Tim Slotta				0001	
CLIENT PROJECT:	Lk Goodwin Grocery					
	· · · · ·					
<u></u>	· · · · · · · · · · · · · · · · · · ·		CONTI	ROL SAMPLE RESULTS	<u> </u>	
ALS Test Batch ID: 7	487 - Soil by NWTPH-(GX			ANALYSIS	ANALYSIS
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	DATE	BY
IPH-Volatile Range - BS	NWTPH-GX	66.2	N D	QUAL .	12/19/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	72.5	9		12/19/2013	DLC
T						
ALS Test Batch ID: 7	476 - Water by NWTPH	ł-GX				
	HETHAP	WDEA	000	01141	ANALYSIS DATE	ANALYSIS BY
SPIKED COMPOUND	METHOD NWTPH-GX	%REC 67.0	RPD	QUAL	12/16/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	66.2	1		12/16/2013	DLC
ALS Test Batch ID: 7	487 - Soil by EPA-8021	í				
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
Foluene - 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
Kylenes - BS	EPA-8021	98.5			12/19/2013	DLC
Kylenes - BSD	EPA-8021	98.9	0		12/19/2013	DLC
<u>·</u>				· · · · · ·		
ALS Test Batch ID: 7	476 - Water by EPA-80	21				
	Истиль	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
SPIKED COMPOUND Benzene - BS	METHOD EPA-8021	%REC 89.8	ለታወ	WUML	12/16/2013	DLC
Benzene - BSD	EPA-8021	91.9	2	·	12/16/2013	DLC
oluene - BS	EPA-8021 EPA-8021		£		12/16/2013	DLC
foluene - BSD	EPA-8021 EPA-8021	89.1 01 1	2		12/16/2013	DLC
		91.1 89 6	2			DLC
Ethylbenzene - BS	EPA-8021	89.6	4		12/16/2013	
Ethylbenzene - BSD Kylenes - BS	EPA-8021	90.2	1		12/16/2013	DLC
Avienes - 65	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

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Laboratory Director

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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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		CERTIFIC	CATE OF ANALYS	S				
CLIENT:	SD & C			DAT		20/2013		
	PO Box 2071			ALS JOE		13120130		
	Kirkland, WA 98083			ALS SAMPLE		10/0010		
CLIENT CONTACT:	Tim Slotta			DATE RECEIVE		19/2013	0.00 034	
CLIENT PROJECT:	Lk Goodwin Grocery			LLECTION DAT		19/2013 3:3	0:00 PW	
CLIENT SAMPLE ID	FS2@1"		WDOE	ACCREDITATIO	N: C60	J1		
	<u> </u>	DA	TA RESULTS	<u> </u>	•			
			REPORTING	DILUTION		ANALYSIS /		
ANALYTE	METHOD	RESULTS	LIMITS	FACTOR	UNITS	DATE	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	
						ANALYSIS /		
SURROGATE	METHOD	%REC				DATE	BY	
TFT 4X Dilution	NWTPH-GX	90.5				12/20/2013	DLC	
TFT 4X Dilution	EPA-8021	95.9				12/20/2013	DLC	

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		CERTIFIC	ATE OF ANALYSI	S				
CLIENT:	SD & C			DAT	E: 12/2	20/2013		
	PO Box 2071			ALS JOE	3#: EV ⁻	13120125		
	Kirkland, WA 98083			ALS SAMPLE	E#: -02			
CLIENT CONTACT:	Tim Slotta			DATE RECEIVE	D: 12/	19/2013		
CLIENT PROJECT:	Lk Goodwin Grocery		CO	LLECTION DAT	"E: 12/	19/2013 12:	00:00 PM	
CLIENT SAMPLE ID	PW-1		WDOE	ACCREDITATIC	N: C60	01		
· · · ·	······	DA	TA RESULTS					
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
TPH-Volatile Range	NWTPH-GX	55000000	4.00E+07	8.00E+05	UG/L	12/20/2013	DLC	_
						ANALYSIS	ANALYSIS	
SURROGATE	METHOD	%REC				DATE	BY	
TFT 800000X Dilution	NWTPH-GX	105				12/20/2013	DLC	

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	· · · · · · · · · · · · · · · · · · ·	CERTIFIC	ATE OF ANALYSI	S		· 		
CLIENT:	SD & C			DATE	12/2	20/2013		
-	PO Box 2071			ALS JOB#	EV'	13120130		
	Kirkland, WA 98083			ALS SAMPLE#				
CLIENT CONTACT:	Tim Slotta			DATE RECEIVED		19/2013		
CLIENT PROJECT:	Lk Goodwin Grocery		CO	LLECTION DATE	: 12/	19/2013 3:4	5:00 PM	
CLIENT SAMPLE ID	MW-4		WDOE /	ACCREDITATION	C60	01		
	· <u></u>	DA	TA RESULTS				_ <u>.</u>	
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 A DATE	ANALYSIS By	
TFT 20X Dilution	NWTPH-GX	104				12/20/2013	DLC	
TFT 20X Dilution	EPA-8021	112				12/20/2013	DLC	

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	· <u>····································</u>	CERTIFIC	CATE OF ANALYSI	S	·			
CLIENT:	SD & C			DATE	E: 12/	20/2013		
	PO Box 2071			ALS JOB	#: EV	13120130		
	Kirkland, WA 98083	3		ALS SAMPLE		i		
CLIENT CONTACT:	Tim Slotta			DATE RECEIVED		19/2013		
CLIENT PROJECT:	Lk Goodwin Grocer	у	CC	LLECTION DATE	E: 12/	19/2013 4:0	0:00 PM	
CLIENT SAMPLE ID	MW-5	•	WDOE	ACCREDITATION	1: C6	01		
	· · · · · · · · · · · · · · · · · · ·	DA	TA RESULTS		- 1	<u> </u>		
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS / DATE	ANALYSIS BY	
TPH-Volatile Range	NWTPH-GX	1900	50	1	UGA.	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	- :
						ANALYSIS /		
SURROGATE	METHOD	%REC				DATE	BY	
TFT	NWTPH-GX	95.3				12/20/2013	DLC	:
TFT	EPA-8021	106				12/20/2013	DLC	:

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		CERTIFIC	ATE OF ANALYS	S					
CLIENT:	SD & C		DATE: 12/20/2013						
	PO Box 2071		ALS JOB#:			EV13120130			
Kirkland, WA 98083			ALS SAMPLE#: -04						
CLIENT CONTACT:	Tim Slotta					12/19/2013			
CLIENT PROJECT:	Lk Goodwin Grocery COLLECTION			LLECTION DATE	ATE: 12/19/2013 4:15:00 PM				
CLIENT SAMPLE ID	MW-6 WDOE ACCREDITATION:				I: C6	C601			
		DA							
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	11	UG/L	12/20/2013	DLC	_ :	
SURROGATE	METHOD	%REC		ANALYSIS ANALYSIS DATE BY					
TFT	NWTPH-GX	98.9				12/20/2013	DLC	:	
TFT	EPA-8021	107				12/20/2013	DLC	:	

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