ATTACHMENT 4



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

15-24418

		Facility I.D.			
•	W	. Nottingham		Chester	
		Municipality	 	County	
		· · · · · · · · · · · · · · · · · · ·	7/2/97		
		Date	Prepared	i	
		Micha Name of Perso	el Willia		
			ase Print)		
			pany Nam	e	
		·	pplicable)		
		Projec	t Manag Title	ger	
Clo	sure Method (Check all that a	apply):	Site	Assessment Results (Check all that apply):
_	•			No Obvious Contamina Standards/Levels	tion - Sample Results Mee
Ø	Removal			No Obvious Contamina Not Meet Standards/Lev	tion - Sample Results Do
	Closure-In-Place			Obvious, Localized Con Results Meet Standards	
	Change-In-Service		\boxtimes	Obvious, Localized Con	
				Obvious, Extensive Cor	·

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Owners who are permanently closing underground storage tanks may use this form to demonstrate that an underground storage tank closure was performed in accordance with the "Closure Requirements For Underground Storage Tank Systems" document. PLEASE PRINT OR TYPE. COMPLETE ALL QUESTIONS.

SECTION I. Owner/Facility/Tank/Waste Management and Disposal Information

1. Facility ID Number _1	5-24418	2. Facility	Name <u>Herr F</u>	oods Inc.	
3. Facility County Che	ster	4. Facility N	lunicipality <u>W</u>	Nottingham	
5. Facility Address Ro	ute 272 & Herr Drive, PO Box 3	00, Nottingham,	PA 19362		
6. Facility Contact Person	Steve Moran	7. Facility	Telephone Num	ber <u>(610)9326</u>	5500
8. Owner Name Herr Fo	oods Inc.				
Owner Mailing Address	PO Box 300, Nottingham, PA	A 19362			
0. Description of Undergr	ound Storage Tanks (Complete	for each tank clo	osed)		
DATE OF TANK CLOSUF	RE (Month/Day/Year)	5/28/97	5/28/97	6/4/97	6/4/97
Tank Registration Number		003	004	005	006
Estimated Total Capacity	(Gallons)	4000	4000	15000	12000
Substance(s) Stored	a. Petroleum		-		
Throughout Operating	Unleaded Gasoline			8000000000000	Ļ
Life of Tank	Leaded Gasoline		8000000000000		
(Check All That Apply)	Aviation Gasoline				닏
1	Kerosene			<u></u> ⊔	
	Jet Fuel				닠
	Diesel Fuel				l <u>⊠</u>
	Fuel Oil No. 1				□
	Fuel Oil No. 2				
	Fuel Oil No. 4				
	Fuel Oil No. 5				
	Fuel Oil No. 6				
	New Motor Oil	X			
	Used Motor Oil				
	Other, Please Specify				
NOTE: If Hazardous	b. Hazardous Substance				
Substance Block is Chec					
Attach Material Safety Da				<u></u>	
Sheets (MSDS)	<u>AND</u>				
	Chemical Abstract				
1	Service (CAS) No.				
	c. Unknown				
Closure Method	a. Removal			⊠	
(Check Only One)	b. Closure-in-Place				
1	c. Change-in-Service			<u> </u>	<u> </u>
Partial System Closure (Ye	es or No)				<u> </u>

2530-FM-LRWM0159 4/96

DATE OF TANK CLOSURE (Mont	n/Day/Year)	5/28/97			
Tank Registration Number		007			
Estimated Total Capacity (Gallons)	1000			
Substance(s) Stored a. Throughout Operating Life of Tank (Check All That Apply) .	Petroleum Unleaded Gasoline Leaded Gasoline Aviation Gasoline Kerosene Jet Fuel Diesel Fuel Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 4 Fuel Oil No. 5 Fuel Oil No. 6 New Motor Oil Used Motor Oil Other, Please Specify	8000000000000			
Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)	Hazardous Substance Name of Principal CERCLA Substance <u>AND</u> Chemical Abstract Service (CAS) No. Unknown				
(Check Only One) b	. Removal . Closure-in-Place . Change-in-Service				
Partial System Closure (Yes or No)					
Yes N/A 11. Briefly describe	the storage tank facility	and the nature of	of the operations	s which were co	nducted at

N/A 11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) including use of tanks: Herr Foods Inc. is a potato chip, pretzel and other snack food manufacturer. The facility was a farm prior to the current use. 12. A site location and sampling map of the site, drawn to scale, is attached. See page 11 of 11. 13. Original, color photographs of the closure process are attached (i.e., inside of excavation/piping runs, pit water, tanks showing condition). 14. An amended "Registration of Storage Tanks" form was submitted to the DEP, Bureau of Water Quality Management, Division of Storage Tanks, P.O. Box 8762, Harrisburg, PA 17105-8762. Date: 6/16/97 15. If a reportable release was confirmed, the appropriate regional office of DEP was notified by the owner or operator. Date: 6/6/97 Office: Southeast Regional

2530-FM-LRWM0159 4/96 Yes N/A N П 16. If tanks were cleaned on-site: a. Briefly describe the disposition of usable product: All usable product was utilized by the owner prior to tank cleaning and removal. b. Briefly describe the disposal of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal): All tank liquids and bottom sediments were transported by Associated Environmental Technologies (MD2000006908) and transported to Internation Petroleum Corporation as Nonhazardous waste (MDD 985389816). Documentation attached. c. If tank contents were determined/deemed to be hazardous waste, provide: (1) Generator ID Number: N/A (2) Licensed Hazardous Waste Transporter Name and ID Number: N/A 17. If tanks were removed from the site for cleaning: П \boxtimes a. Provide the name and permit number of the processing, treatment, storage or disposal facility performing the tank cleaning: b. If tank contents were determined/deemed to be hazardous waste, provide: (1) Generator ID Number: (2) Licensed Hazardous Waste Transporter Name and ID Number: 18. Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal): All tanks and associated piping were transported by Zadinsky Contractors for ultimate disposal at Luria Brothers located in Modena, PA. Proper docuemntation is attached. X 19. If contaminated soil is excavated: a. Briefly describe the disposition and amount approximately 1200 (tons) of contaminated soil.

a. Briefly describe the disposition and amount <u>approximately 1200</u> (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):
<u>All excavated contaminated soil is properly stockpiled under plastic awaiting disposal at a licensed recycling facility. Proper disposal documentation will be forwarded when completed.</u>

- b. If contaminated soil is determined/deemed to be hazardous waste, provide:
 - (1) Generator ID Number:
 - (2) Licensed Hazardous Waste Transporter Name and ID Number:

2530-FM-LRWM0159 4/96

es/	N/A		
<u>.</u>		20.	Briefly describe the disposition of and amount <u>15</u> (tons) of uncontaminated soil (attach analyses): Approximately 15 tons of uncontaminated soil was backfilled into the waste oil UST excavation. Backfilling was completed after excavation and piping samples did not reveal impact from the removed UST. No backfill sample was required as per PADEP Technical Document, Page 17, section C.
unsv	vorn fa	Isific	- Moizan , hereby certify, under penalty of law as provided in 18 Pa. C.S. S4904 (relating to ation to authorities) that I am the owner of the above referenced storage tank(s) and that the information in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.
		J	Signature of Tank Owner T/ZZ/97 Date

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 15-24418

Yes	N/A	1.	Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil: All excavated soils were placed under 6mil plastic awaiting testing and disposal options.
		2.	Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping: All piping systems were drained back to their respective tanks and any residuals were then vacuumed out. Upon removal, all piping exhibited external corrosion with the piping associated with Tanks 005 & 006 being suspect at unions and connections under pumps. No visible holes were observed in any piping.
,		3.	Briefly describe the condition of the tanks and any problems encountered during tank removal: All tanks exhibited external corrosion and minor pitting upon inspection. Tank 005 (unl gas) exhibited several weep holes along the entire bottom. Tank 006 exhibited several holes along the bottom centerline of the tank.
		4.	Briefly describe the method used to purge the tanks of and monitor for explosive vapors: Tanks were vacuumed out, purged with an air eductor (venturi) and monitored with an LEL/O2 meter prior to, during, and after cleaning
\boxtimes		5.	If tanks were cleaned on-site: a. Briefly describe the tank cleaning process: The tanks were vacuumed out, squeegeed clean, and rag wiped dry with absorbent material. b. If subcontracted, name and address of company that performed the tank cleaning:
	\boxtimes	6.	If tanks were closed-in-place, briefly describe the tank fill material:
Ø		7.	If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

SECTION II. (continued)

falsification to authorities) that I am the certified installer who p closure of the above referenced storage tank(s) and that the intis true, accurate and complete to the best of my knowledge and	erformed the tank handling activities associated with the formation provided by me in this closure report (Section II)
Signature of Certified Installer	
2830	36
Installer Certification Number	Company Certification Number
	Enercon Services, Inc.
	Company Name
	PO Box 174
	Street
	Bear, DE 19701
	City/Town, State, Zip
	302-834-9402
	Phone

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # <u>OS3</u> (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number

A.		ovide depth of <i>BEDROCK</i> and <i>WATER</i> <u>IF</u> encountered during excavation or soil boring (write "N/A" if NOT countered).					
	Bec	Irock <u></u>	feet below land surface	Water N/A feet below land surface			
В.			ingth of $PIPING\ \underline{IF}$ piping was closed-in-place (write "N/A piping $\underline{\kappa/A}$ feet	" if NOT closed-in-place).			
C.	TAI	NK SYS	STEM REMOVED FROM THE GROUND				
	1)	Was <u>ol</u> ⊠	bvious contamination observed while excavating? NO ——— Conduct confirmatory sampling ————— Sand maintenance of closure records————— Do not	See end of this section for options on submission complete item C.2. below.			
			YES Report release to DEP within 2 hours likely source(s) (tank, piping, dispenser, spills, overfills)	Describe contamination observed and Complete item C.2. below.			
	2)		ontamination <u>localized</u> (within three feet of the tank systenination)?				
			YES ——— Remove or remediate contaminated soil See end of this section for options on submission and Indemnification Fund (717-787-0763).	Conduct confirmatory samplingd maintenance of closure records Cal			
			NO ———— Continue interim remedial actions — submission and maintenance of closure records ————	See end of this section for options of Call Indemnification Fund (717-787-0763).			
D.	TA	NK SYS	STEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE	=			
Was obvious contamination observed during sampling, boring or assessing water depths? NO ——— Conduct confirmatory sampling ———— See end of this section for options on submission and maintenance of closure records. YES ——— Report release to DEP within 2 hours ————— Describe contamination observed and lil sources (i.e., tank, piping, dispenser, spills, overfills): ————————————————————————————————————							

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or

Title of Person Performing Site Assessment

(c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank was located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, <u>Michael Williams</u>, hereby certify, under penalty of law as provided in 18 Pa. C.S. S4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section III) is true,

accurate and complete to the best of my knowledge and belief.	
Made	7/7/97
Signature of Person Performing Site Assessment	Date
Project Manager	Clayton Services Corporation

Name of Company Performing Site Assessment

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number

A.	Prov	ride dep ountered	oth of <i>BEDROCK</i> and <i>WATER</i> <u>IF</u> encountered during ex d).		
	Bedr	rock <u></u>	A feet below land surface	Water N/A feet below land surface	
₿.	Prov Leng	ride Ler gth of pi	ngth of <i>PIPING <u>IF</u> piping was closed-in-place (write "N/A</i> iping <u>N/A</u> feet	A" if NOT closed-in-place).	
C.	TAN	K 8YS	TEM REMOVED FROM THE GROUND		
	•		ovious contamination observed while excavating? NO ——— Conduct confirmatory sampling ————————————————————————————————————	t complete item C.2. below.	
]	X	YES — Report release to DEP within 2 hours likely source(s) (tank, piping, dispenser, spills, overfills, exacts freed Readings. Appeared to	bescribe contamination observed ar s): Complete item C.2. below to have migrated from Tank dos	rd 1. Dispenser
	2)	Was co	ontamination <u>localized</u> (within three feet of the tank systenination)?	tern in every direction with no obvious water	
		X	YES ——— Remove or remediate contaminated soil See end of this section for options on submission and Indemnification Fund (717-787-0763).	Conduct confirmatory sampling nd maintenance of closure records	Call
			NO — Continue interim remedial actions – submission and maintenance of closure records —	See end of this section for option Call Indemnification Fund (717-787-078	is on 3).
D.	AAT	ık sys	TEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE	E	
	Was	NO - main	us contamination observed during sampling, boring or a Conduct confirmatory sampling ———— See entenance of closure records.	end of this section for options on submission an	
		sourd See	Report release to DEP within 2 hours ces (i.e., tank, piping, dispenser, spills, overfills): end of this section for options on submission and mnification Fund (717-787-0763).	Continue with concerns account	

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for <u>at least three years</u> after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank was located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, <u>Michael Williams</u>, hereby certify, under penalty of law as provided in 18 Pa. C.S. S4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure

tion provided by me in this closure report (Section III) is true, ef.
7/7/97
Date
Clayton Services Corporation Name of Company Performing Site Assessment

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # <u>OOS</u> (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number

				annetice as sail basing (units "NI/A" if NIOT		
A.	Provide depth of BEDROCK and WATER IF encountered during excavation or soil boring (write "N/A" if NOT encountered).					
	Bedi	rock N	A feet below land surface	Water $\frac{\mathcal{N}/\Delta}{\Delta}$ feet below land surface		
В.	Prov Leng	ride Ler gth of p	ngth of <i>PIPING</i> <u>IF</u> piping was closed-in-place (write "N/A iping <u>N/A</u> feet	' if NOT closed-in-place).		
C.	TAN	IK SYS	TEM REMOVED FROM THE GROUND			
	1)	Was of	ovious contamination observed while excavating?			
	•		NO Conduct confirmatory sampling Sand maintenance of closure records Do not	See end of this section for options on submission complete item C.2. below.		
		X	YES ——— Report release to DEP within 2 hours likely source(s) (tank, piping, dispenser, spills, overfills) — WEEP holes in Tank SEAMS	Describe contamination observed and Complete item C.2. below.		
			ontamination <u>localized</u> (within three feet of the tank systenination)?	m in every direction with no obvious water		
	_	X	YES ——— Remove or remediate contaminated soil See end of this section for options on submission and Indemnification Fund (717-787-0763).	Conduct confirmatory sampling I maintenance of closure records Call		
			NO Continue interim remedial actionssubmission and maintenance of closure records	See end of this section for options on Call Indemnification Fund (717-787-0763).		
D.	TAN	ık sys	TEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE	<u>:</u>		
	Was □	NO -	us contamination observed during sampling, boring or a conduct confirmatory sampling ————— See entended of closure records.	ssessing water depths? Indicate the section for options on submission and		
		YES sourd See	Report release to DEP within 2 hours ces (i.e., tank, piping, dispenser, spills, overfills): end of this section for options on submission and mnification Fund (717-787-0763).	Continue with corrective action		

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for <u>at least three years</u> after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank was located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Michael Williams, hereby certify, under penalty of law as provided in 18 Pa. C.S. S4904 (relating to unsworn

falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.							
Signature of Person Performing Site Assessment	7/7/97 Date						
Project Manager Title of Person Performing Site Assessment	Clayton Services Corporation Name of Company Performing Site Assessment						

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # <u>COL</u> (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number

A.		vide der ountere	oth of <i>BEDROCK</i> and <i>WATER</i> <u>IF</u> encountered during ex d),	1
	Bed	irock 🔑	A feet below land surface	Water NA feet below land surface
В.	Pro Len	vide Lei gth of p	ngth of <i>PIPING</i> <u>IF</u> piping was closed-in-place (write "N/A iping <u>N/A</u> feet	" if NOT closed-in-place).
C.	TAI	VK SYS	TEM REMOVED FROM THE GROUND	
	1)	Was of	ovious contamination observed while excavating?	
	',		NO Conduct confirmatory sampling and maintenance of closure records Do not	See end of this section for options on submission complete item C.2. below.
		X	YES ——— Report release to DEP within 2 hours likely source(s) (tank, piping, dispenser, spills, overfills — Holes in bottom of TANK.	Describe contamination observed and Complete item C.2. below.
	2)		ontamination <u>localized</u> (within three feet of the tank systenination)?	em in every direction with no obvious water
		X	YES ———— Remove or remediate contaminated soil See end of this section for options on submission an Indemnification Fund (717-787-0763).	Conduct confirmatory samplingd maintenance of closure records Call
			NO Continue interim remedial actionssubmission and maintenance of closure records	See end of this section for options on Call Indemnification Fund (717-787-0763).
Đ.	TA	NK SYS	STEM CLOSED-IN-PLACE OR CHANGED-IN-SERVIC	Ē
	Wa	s <u>obvio</u> NO	us contamination observed during sampling, boring or a Conduct confirmatory sampling See e	ssessing water depths? nd of this section for options on submission and
		main	stenance of closure records.	
		sour See	Report release to DEP within 2 hours ces (i.e., tank, piping, dispenser, spills, overfills): end of this section for options on submission and mnification Fund (717-787-0763).	Colline Mill Collective action

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for <u>at least three years</u> after completion of permanent closure or change-in-service in one of the following ways:

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- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank was located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, <u>Michael Williams</u>, hereby certify, under penalty of law as provided in 18 Pa. C.S. S4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure

of the above referenced storage tank(s) and that the information accurate and complete to the best of my knowledge and beli	
Mal	7/7/97
Signature of Person Performing Site Assessment	Date
Project Manager	Clayton Services Corporation
Title of Person Performing Site Assessment	Name of Company Performing Site Assessment

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 607 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number

A.		vide der ountere	oth of <i>BEDROCK</i> and <i>WATER</i> <u>IF</u> encountered during ex d).	
	Bed	Irock <u></u>	A feet below land surface	Water N/A feet below land surface
В.	Pro	vide Lei gth of p	ngth of <i>PIPING <u>IF</u> piping was closed-in-place (write "N/A</i> iping <u>ゎ゚/A</u> feet	" if NOT closed-in-place).
C.	TAI	NK SYS	TEM REMOVED FROM THE GROUND	
	1)	Was <u>ot</u> ⊠	ovious contamination observed while excavating? NO Conduct confirmatory sampling Some and maintenance of closure records Do not	See end of this section for options on submission complete item C.2. below.
			YES Report release to DEP within 2 hours - likely source(s) (tank, piping, dispenser, spills, overfills)	Describe contamination observed and Complete item C.2. below.
	2)		ontamination <u>localized</u> (within three feet of the tank systenination)?	
		C. M. S.	YES ———— Remove or remediate contaminated soil See end of this section for options on submission and Indemnification Fund (717-787-0763).	Conduct confirmatory sampling d maintenance of closure records Call
			NO ———— Continue interim remedial actions — submission and maintenance of closure records ————	See end of this section for options on Call Indemnification Fund (717-787-0763).
Đ.	TA	NK SYS	STEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE	:
	Wa	NO main	us contamination observed during sampling, boring or as Conduct confirmatory sampling See en stenance of closure records.	nd of this section for options on submission and
		sour See	Report release to DEP within 2 hours ces (i.e., tank, piping, dispenser, spills, overfills): end of this section for options on submission and mnification Fund (717-787-0763).	Continue with confective action

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for <u>at least three years</u> after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank was located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

i, <u>Michael Williams</u>, hereby certify, under penalty of law as provided in 18 Pa. C.S. S4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure

of the above referenced storage tank(s) and that the informa-	ation provided by me in this closure report (Section III) is t
accurate and complete to the best of my knowledge and bel	lief.
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9 FILL	
Signature of Person Performing Site Assessment	Date
Project Manager	Clayton Services Corporation
Title of Person Performing Site Assessment	Name of Company Performing Site Assessment

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SAMPLE/ANALYSIS INFORMATION (Attachment for Section III)

LOCATION: Herr Foods Inc., Route 272 & Herr Drive, Nottingham, PA

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
007-1	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-1	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-1	XYLENES	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-1	NAPHTHALENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-1	PYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-1	BENZO- FLUORANTHENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-1	BENZO- ANTHRACENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-1	BENZOPYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-1	INDENOPYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-1	BENZOPERYLENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-1	LEAD (TOTAL)	7421	SOIL	< 6 ppm	6 ppm	5/28/97	6/5/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
007-2	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-2	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-2	XYLENES	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-2	NAPHTHALENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-2	PYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-2	BENZO- FLUORANTHENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-2	BENZO- ANTHRACENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-2	BENZOPYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-2	INDENOPYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-2	BENZOPERYLENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-2	LEAD (TOTAL)	7421	SOIL	14 ppm	6 ррт	5/28/97	6/5/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
007-P	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-P	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-P	XYLENES	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-P	NAPHTHALENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	5/28/97	5/30/97
007-P	PYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-P	BENZO- FLUORANTHENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-P	BENZO- ANTHRACENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-P	BENZOPYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-P	INDENOPYRENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-P	BENZOPERYLENE	EPA 8270B	SOIL	<.03 ppm	.03 ppm	5/28/97	6/12/97
007-P	LEAD (TOTAL)	7421	SOIL	7 ppm	6 ррт	5/28/97	6/5/97

SAMPLE ID	PARAMETER	ANALYTIC	MEDIA	DEALU TA	SETCATION		
		METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
003-1	ТРН	EPA 418.1	SOIL	<5 ppm	5 ppm	6/4/97	6/6/97
SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE Sample Analyze
003-2	TPH	EPA 418.1	SOIL	<5 ppm	5 ppm	6/4/97	6/6/97
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SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
003-3	TPH	EPA 418.1	SOIL	<5 ppm	5 ppm	6/4/97	6/6/97
SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
003-P	ТРН	EPA 418.1	SOIL	<5 ppm	5 ppm	6/4/97	6/6/97
SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
004-1	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-1	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-1	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-1	XYLENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-1	SOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-1	MTBE	EPA 8021A	SOIL	.014ppm	.005 ppm	6/4/97	6/13/97
004-1	NAPHTHALENE	EPA 8021A	SOIL	.024ppm	.005 ppm	6/4/97	6/13/97
004-1 B	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
004-1	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
004-2	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-2	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-2	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-2	XYLENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-2	ISOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
004-2	MTBE	EPA 8021A	SOIL	2.8 ppm	.005 ppm	6/4/97	6/13/97
004-2	NAPHTHALENE	EPA 8021A	SOIL	.031 ppm	.005 ppm	6/4/97	6/13/97
004-2	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
004-2	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
	The second secon	1				<u> </u>	
SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
	PARAMETER BENZENE		MEDIA		LIMIT	SAMPLE	SAMPLE
ID		METHOD		(units)	LIMIT (units)	SAMPLE TAKEN	SAMPLE ANALYZE
ID 004-3	BENZENE	METHOD EPA 8021A	SOIL	(units)	LIMIT (units) .005 ppm	SAMPLE TAKEN 6/4/97	SAMPLE ANALYZE 6/13/97
004-3 004-3	BENZENE TOLUENE	METHOD EPA 8021A EPA 8021A	SOIL	(units) <.005ppm <.005ppm	LIMIT (units) .005 ppm .005 ppm	SAMPLE TAKEN 6/4/97 6/4/97	SAMPLE ANALYZE 6/13/97 6/13/97
004-3 004-3 004-3	BENZENE TOLUENE ETHYLBENZENE	METHOD EPA 8021A EPA 8021A EPA 8021A	SOIL SOIL SOIL	<.005ppm <.005ppm <.005ppm	LIMIT (units) .005 ppm .005 ppm	SAMPLE TAKEN 6/4/97 6/4/97	SAMPLE ANALYZE 6/13/97 6/13/97
004-3 004-3 004-3 004-3	BENZENE TOLUENE ETHYLBENZENE XYLENE	METHOD EPA 8021A EPA 8021A EPA 8021A EPA 8021A	SOIL SOIL SOIL	<.005ppm <.005ppm <.005ppm <.005ppm <.005ppm	LIMIT (units) .005 ppm .005 ppm .005 ppm	SAMPLE TAKEN 6/4/97 6/4/97 6/4/97	SAMPLE ANALYZE 6/13/97 6/13/97 6/13/97
004-3 004-3 004-3 004-3 004-3	BENZENE TOLUENE ETHYLBENZENE XYLENE ISOPROPYLBENZENE	METHOD EPA 8021A EPA 8021A EPA 8021A EPA 8021A EPA 8021A	SOIL SOIL SOIL SOIL	<.005ppm <.005ppm <.005ppm <.005ppm <.005ppm <.005ppm	LIMIT (units) .005 ppm .005 ppm .005 ppm .005 ppm	SAMPLE TAKEN 6/4/97 6/4/97 6/4/97 6/4/97	SAMPLE ANALYZE 6/13/97 6/13/97 6/13/97 6/13/97
004-3 004-3 004-3 004-3 004-3	BENZENE TOLUENE ETHYLBENZENE XYLENE ISOPROPYLBENZENE MTBE	METHOD EPA 8021A EPA 8021A EPA 8021A EPA 8021A EPA 8021A EPA 8021A	SOIL SOIL SOIL SOIL SOIL	<.005ppm <.005ppm <.005ppm <.005ppm <.005ppm <.005ppm <.004ppm	LIMIT (units) .005 ppm .005 ppm .005 ppm .005 ppm .005 ppm .005 ppm	SAMPLE TAKEN 6/4/97 6/4/97 6/4/97 6/4/97	SAMPLE ANALYZE 6/13/97 6/13/97 6/13/97 6/13/97 6/13/97

SAMPLE	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
005-1	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	XYLENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	ISOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	MTBE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	NAPHTHALENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/9/97
005-1	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
005-1	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
005-2	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	XYLENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	ISOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	MTBE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	NAPHTHALENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-2	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
005-2	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
005-3	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	XYLENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	ISOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	MTBE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	NAPHTHALENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
005-3	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
005-3	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
Pl-1	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
Pl-1	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-1	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-1	XYLENE	EPA 8021A	SOIL	.007 ppm	.005 ppm	6/4/97	6/13/97
PI-1	ISOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-1	MTBE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-1	NAPHTHALENE	EPA 8021A	SOIL	.027 ppm	.005 ppm	6/4/97	6/13/97
PI-1	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
Pl-1	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
PI-4	BENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-4	TOLUENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-4	ETHYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-4	XYLENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-4	ISOPROPYLBENZENE	EPA 8021A	SOIL	<.005ppm	.005 ppm	6/4/97	6/13/97
PI-4	MTBE	EPA 8021A	SOIL	.019 ppm	.005 ppm	6/4/97	6/13/97
PI-4	NAPHTHALENE	EPA 8021A	SOIL	.009 ppm	.005 ppm	6/4/97	6/13/97
PI-4	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-4	BENZOPYRENE	EPA 8020	SOIL	<,03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
Pi-5	BENZENE	EPA 8021A	SOIL	.007 ppm	.005 ppm	6/4/97	6/13/97
PI-5	TOLUENE	EPA 8021A	SOIL	.082 ppm	.005 ppm	6/4/97	6/13/97
Pl-5	ETHYLBENZENE	EPA 8021A	SOIL	.540 ppm	.005 ppm	6/4/97	6/13/97
PI-5	XYLENE	EPA 8021A	SOIL	5.70 ppm	.005 ppm	6/4/97	6/13/97
Pl-5	ISOPROPYLBENZENE	EPA 8021A	SOIL	.660 ppm	.005 ppm	6/4/97	6/13/97
Pl-5	MTBE	EPA 8021A	SOIL	2.30 ppm	.005 ppm	6/4/97	6/13/97
PI-5	NAPHTHALENE	EPA 8021A	SOIL	9.80 ppm	.005 ppm	6/4/97	6/13/97
Pl-5	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-5	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
PI-6	BENZENE	EPA 8021A	SOIL	.010 ppm	.005 ppm	6/4/97	6/13/97
PI-6	TOLUENE	EPA 8021A	SOIL	.010 ppm	.005 ppm	6/4/97	6/13/97
PI-6	ETHYLBENZENE	EPA 8021A	SOIL	.049 ppm	,005 ppm	6/4/97	6/13/97
Pi-6	XYLENE	EPA 8021A	SOIL	.480 ppm	.005 ppm	6/4/97	6/13/97
PI-6	ISOPROPYLBENZENE	EPA 8021A	SOIL	.021 ppm	.005 ppm	6/4/97	6/13/97
Pi-6	MTBE	EPA 8021A	SOIL	4.40 ppm	.005 ppm	6/4/97	6/13/97
PI-6	NAPHTHALENE	EPA 8021A	SOIL	1.20 ppm	,005 ppm	6/4/97	6/13/97
PI-6	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-6	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
Pi-2	NAPHTHALENE	EPA 8270	SOIL	<.03 PPM	.03 ppm	6/4/97	6/12/97
PI-2	FLUORENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-2	PHENANTHRENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-2	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-2	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
006-1	NAPHTHALENE	EPA 8270	SOIL	<.03 PPM	.03 ppm	6/4/97	6/12/97
006-1	FLUORENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-1	PHENANTHRENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-1	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-1	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
006-2	NAPHTHALENE	EPA 8270	SOIL	<.03 PPM	.03 ppm	6/4/97	6/12/97
006-2	FLUORENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-2	PHENANTHRENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-2	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-2	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
006-3	NAPHTHALENE	EPA 8270	SOIL	<.03 PPM	.03 ppm	6/4/97	6/12/97
006-3	FLUORENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-3	PHENANTHRENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
006-3	BENZOANTHRACENE	EPA 8270	SOIL	<,03 ppm	.03 ppm	6/4/97	6/12/97
006-3	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97

SAMPLE ID	PARAMETER	ANALYTIC METHOD	MEDIA	RESULTS (units)	DETECTION LIMIT (units)	DATE SAMPLE TAKEN	DATE SAMPLE ANALYZE
PI-3	NAPHTHALENE	EPA 8270	SOIL	.08 PPM	.03 ppm	6/4/97	6/12/97
PI-3	FLUORENE	EPA 8270	SOIL	.23 ppm	.03 ppm	6/4/97	6/12/97
Pl-3	PHENANTHRENE	EPA 8270	SOIL	.33 ppm	.03 ppm	6/4/97	6/12/97
PI-3	BENZOANTHRACENE	EPA 8270	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97
PI-3	BENZOPYRENE	EPA 8020	SOIL	<.03 ppm	.03 ppm	6/4/97	6/12/97



P.O. Box 15212 Rio Rancho, NM 87174 (505) 892–1666 (800) 237–4532 Fax (505) 892–9601

ILFC Laboratory Report

for

Clayton Services Corp.

1201 Bethlehem Pike, Suite 105 North Wales PA

(215) 362-6400

Project No:

Not Given

Project Location:

Herr Foods Inc. Nottingham, PA

Sampler:

Michael Williams

(215) 362-6400

Date Sampled:

5/28/97

Date Received:

5/30/97

Date Reported:

06/16/1997

Report #:

97091

Sample Date:

5/28/97

Clayton Services Corp.

Registered Date/Time: 05/30/1997 10:57:06 AM

Herr Foods Inc.

ILFC#

10419

007-1

Batch #

97091

Soil

EBA Method 8270B

	EPA Method 8270	B		
Analyte	MOL	Concentration	Date Analyzed	Analyst
Naphthalene	0.03 mg/kg	0.12	6/12/97	Kay Baker
Fluorene	0.03 mg/kg	<0.03		
Phenanthrene	0.03 mg/kg	<0.03		
Benzo(a)anthracene	0.03 mg/kg	<0.03		
Benzo(a)pyrene	0.03 mg/kg	<0.03		ļ
Pyrene	0.03 mg/kg	<0.03		<u> </u>
Benzo(b)fluoranthene	0.03 mg/kg	<0.03		<u> </u>
Indeno(123-cd)pyrene	0.03 mg/kg	<0.03		
Benzo(ghi)perylene	0.03 mg/kg	<0.03		<u> </u>

Total Lead - Method 6010

Analyte	Concentration	MDL	Date Analyzed	Analyst
	<6	6 mg/kg	6/6/97	Robert Furlang

Parcent Moisture

% Moisture	Date Analyzed	Analyst
16.4	6/5/97	Cindy Logan

Waste Motor Oil (PA)-Method 8260A

	Traste moust on	7	Units	E
Analyte	Result	MDL		- -
Вепрепе	<5	5	ug/kg (ppb)	\perp
Taluene	<5	5	ug/kg (ppb)	
Xylenes	<5	5	ug/kg (ppb)	
Naphthalene	<5	5	ug/kg (ppb)	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5	ug/kg (ppb)	
Analyst	Kay Baker	5	ug/kg (ppb)	\perp
Date Analyzed	5/30/97	5	ug/kg (ppb)	

Sample Date:

5/28/97

Clayton Services Corp.

007-2

Registered Date/Time:

05/30/1997 10:57:23 AM

Herr Foods inc.

ILFC#

10420

Batch #

97091

Soil

EDA Method 8270

EPA Method 82708					
Analyte	MDL	Concentration	Date Analyzed	Analyst	
Naphthalene	0.03 mg/kg	<0.03	6/12/97	Kay Baker	
Fluorene	0.03 mg/kg	<0.03			
Phenanthrene	0.03 mg/kg	<0.03			
Benzo(a)anthracene	0.03 mg/kg	<0.03		,	
Benzo(a)pyrene	0.03 mg/kg	<0.03			
Pyrene	0.03 mg/kg	<0.03			
Benzo(b)fluoranthene	0.03 mg/kg	<0.03			
Indeno(123-cd)pyrene	0.03 mg/kg	<0.03			
Benzo(ghi)perylene	0.03 mg/kg	<0.03			

Total Lead - Method 6010

	7 4 441 - 77				
Analyte	Concentration	MDL	Date Analyzed	Analyst	
ead	14	6 mg/kg	6/6/97	Robert Furlang	

Percent Moisture

% Moisture	Date Analyzed	Analyst
11.8	6/5/97	Cindy Logan

Waste Motor Oil (PA)-Method \$260A

Analyte	Result	MDL	Units	E
Benzene	<5	5	ug/kg (ppb)	
Toluene	<5	5	ug/kg (ppb)	
Xylenes	<5	5	ug/kg (ppb)	
Naphthalene	<5	5	ug/kg (ppb)	
		5	ug/kg (ppb)	
Analyst	Kay Baker	5	ug/kg (ppb)	
Date Analyzed	5/30/97	5	ug/kg (ppb)	

Sample Date:

5/28/97

Clayton Services Corp.

007-P

Registered Date/Time:

05/30/1997 10:57:31 AM

Herr Foods Inc.

Batch #

97091

Soil

ILFC#

10421

FPA Method 8270B

	FLV Memor evin	·		
Analyte	MDL	Concentration	Date Analyzed	Analyst
Naphthalene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Fluorene	0.03 mg/kg	<0.03		
Phenanthrene	0.03 mg/kg	0.07		
Benzo(a)anthracene	0.03 mg/kg	<0.03		
Benzo(a)pyrene	0.03 mg/kg	<0.03		
Pyrene	0.03 mg/kg	<0.03		
Benzo(b)fluoranthene	0.03 mg/kg	<0.03		<u> </u>
Indeno(123-cd)pyrene	0.03 mg/kg	<0.03		<u> </u>
Benzo(ghi)perylene	0.03 mg/kg	<0.03		

Total Lead - Method 6010

Analyte	Concentration	MDL	Date Analyzed	Analyst
Lead	7	6 mg/kg	6/6/97	Robert Furlong

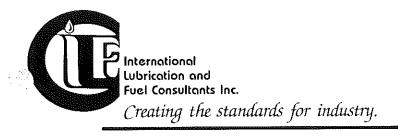
Percent Moisture

% Moisture	Date Analyzed	Analyst			
15.8	6/5/97	Cindy Logan			

Waste Motor Oil (PA)-Method 8260A

	TERROTO INTERFECT			
Analyte	Result	MDL	Units	E
Benzene	<5	5	ug/kg (ppb)	
Toluene	<5	5	ug/kg (ppb)	
Xylenes	<5	5	ug/kg (ppb)	
Naphthalene	<5	5	ug/kg (ppb)	
<u> </u>		5	ug/kg (ppb)	
Analyst	Kay Baker	5	ug/kg (ppb)	
Date Analyzed	5/30/97	5	ug/kg (ppb)	
· · · · · · · · · · · · · · · · · · ·				

15047



P.O. Box 15212 Rio Rancho, NM 87174 (505) 892–1666 (800) 237–4532 Fax (505) 892–9601

ILFC Laboratory Report

for

Clayton Services Corp.

1201 Bethlehem Pike, Suite 105 North Wales PA

(215) 362-6400

Project No:

Not Given

Project Location:

Herr Foods, Inc. Nottingham, PA

Sampler:

Michael Williams

(215) 362-6400

Date Sampled:

6/4/97

Date Received:

6/6/97

Date Reported:

06/16/1997

Report #:

97094

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time: 06/06/1997 11:18:36 AM

Herr Foods, Inc.

003-1

:ch#

97094

Soil

ILFC#

10434

Method: EPA 418.1

Analysis	MDL	Concentration	Date Analyzed	Analyst
TPH	5 mg/kg	<5	6/6/97	Cindy Logan

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:18:43 AM

Herr Foods, Inc.

003-2

ch #

97094

Soil

ILFC#

10435

Method: EPA 418.1

Analysis	MDL	Concentration	Date Analyzed	Analyst
TPH	5 mg/kg	<5	6/6/97	Cindy Logan

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:18:49 AM

Herr Foods, Inc.

003-3

.ch#

97094

Soil

ILFC#

10436

Method: EPA 418.1

Analysis	MDL	Concentration	Date Analyzed	Analyst
TPH	5 mg/kg	<5	6/6/97	Cindy Logan

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time: 06/06/1997 11:19:12 AM

Herr Foods, Inc.

003-P

ch #

97094

Soil

ILFC#

10437

Method: EPA 418.1

Analysis	MDL	Concentration	Date Analyzed	Analyst
TPH	5 mg/kg	<5	'6/6/97	Cindy Logan

Sample Date:

ch#

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:29:10 AM

Herr Foods, Inc.

004-1

97094

Soil

ILFC#

10438

Unleaded Gasoline (PA)

	OTHERDOO CAC	311110 (1 7 1)	
Analyte	Result	MDL	Units
Benzene	<5	5	ug/kg (ppb)
Toluene	<5	5	ug/kg (ppb)
Ethylbenzene	<5	5	ug/kg (ppb)
m,p-Xylene	<5	5	ug/kg (ppb)
o-Xylene	<5	5	ug/kg (ppb)
MTBE	14	5	ug/kg (ppb)
Isopropylbenzene	<5	5	ug/kg (ppb)
Naphthalene	24	5	ug/kg (ppb)
Data Analyzed	6/13/97		
Analyst	Kay Baker		

Percent Moisture

% Moisture	Date Analyzed	Analyst
13	6/9/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:29:29 AM

Herr Foods, Inc.

004-2

ch#

97094

Soil

ILFC#

10439

Unleaded Gasoline (PA)

Officaded Gasonite (FA)				
Analyte	Result	MDL	Units	
Benzene	<5	5	ug/kg (ppb)	
Toluene	<5	5	ug/kg (ppb)	
Ethylbenzene	<5	5	ug/kg (ppb)	
m,p-Xylene	<5	5	ug/kg (ppb)	
o-Xylene	<5	5	ug/kg (ppb)	
MTBE	2800	5	ug/kg (ppb)	
Isopropylbenzene	<5	5	ug/kg (ppb)	
Naphthalene	31	5	ug/kg (ppb)	
Data Analyzed	6/13/97			
Analyst	Kay Baker			

Percent Moisture

% Moisture	Date Analyzed	Analyst
21.8	6/9/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time: 06/06/1997 11:29:36 AM

Herr Foods, Inc.

004-3

ch #

97094

Soil

ILFC#

10440

Unleaded Gasoline (PA)

		····· (, , .,	
Analyte	Result	MDL	Units
Benzene	<5	5	ug/kg (ppb)
Toluene	<5	5	ug/kg (ppb)
Ethylbenzene	<5	5	ug/kg (ppb)
m,p-Xylene	<5	5	ug/kg (ppb)
o-Xylene	<5	5	ug/kg (ppb)
MTBE	44	5	ug/kg (ppb)
Isopropylbenzene	<5	5	ug/kg (ppb)
Naphthalene	18	5	ug/kg (ppb)
Data Analyzed	6/13/97		
Analyst	Kay Baker		

Percent Moisture

% Moisture	Date Analyzed	Analyst
14.1	6/9/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:29:42 AM

Herr Foods, Inc.

005-1

ch#

97094

Soil

ILFC#

10441

Unleaded Gasoline (PA)

	Officadoa Cao.		
Analyte	Result	MDL	Units
Benzene	<5	5	ug/kg (ppb)
Toluene	<5	5	ug/kg (ppb)
Ethylbenzene	<5	5	ug/kg (ppb)
m,p-Xylene	<5	5	ug/kg (ppb)
o-Xylene	<5	5	ug/kg (ppb)
MTBE	<5	5	ug/kg (ppb)
Isopropylbenzene	<5	5	ug/kg (ppb)
Naphthalene	<5	5	ug/kg (ppb)
Data Analyzed	6/9/97	_	
Analyst	Kay Baker		•

Percent Moisture

% Moisture	Date Analyzed	Analyst
17.0	'6/9/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:29:48 AM

Herr Foods, Inc.

005-2

ch#

97094

Soil

ILFC#

10442

Unleaded Gasoline (PA)

Officeace Geodific (177)					
Analyte	Result	MDL	Units		
Benzene	<5	5	ug/kg (ppb)		
Toluene	<5	5	ug/kg (ppb)		
Ethylbenzene	<5	5	ug/kg (ppb)		
m,p-Xylene	<5	5	ug/kg (ppb)		
o-Xylene	<5	5	ug/kg (ppb)		
МТВЕ	<5	5	ug/kg (ppb)		
Isopropylbenzene	<5	5	ug/kg (ppb)		
Naphthalene	<5	5	ug/kg (ppb)		
Data Analyzed	6/13/97				
Analyst	Kay Baker				

Percent Moisture

% Moisture	Date Analyzed	Analyst
14.6		Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:29:54 AM

Herr Foods, Inc.

005-3

ch #

97094

Soil

ILFC#

10443

Unleaded Gasoline (PA)

Officaced Casoniic (174)				
Analyte	Result	MDL	Units	
Benzene	<5	5	ug/kg (ppb)	
Toluene	<5	5	ug/kg (ppb)	
Ethylbenzene	<5	5	ug/kg (ppb)	
m,p-Xylene	<5	5	ug/kg (ppb)	
o-Xylene	<5	5	ug/kg (ppb)	
MTBE	<5	5	ug/kg (ppb)	
Isopropylbenzene	<5	5	ug/kg (ppb)	
Naphthalene	<5	5	ug/kg (ppb)	
Data Analyzed	6/13/97			
Analyst	Kay Baker			

Percent Moisture

% Moisture	Date Analyzed	Analyst
15.4	6/9/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

PI-1

Registered Date/Time:

06/06/1997 11:30:31 AM

Herr Foods, Inc.

ILFC#

10447

ch#

97094

Soil

Unleaded Gasoline (PA)

Officaded Gasonine (FA)				
Analyte	Result	MDL	Units	
Benzene	<5	5	ug/kg (ppb)	
Toluene	<5	5	ug/kg (ppb)	
Ethylbenzene	<5	5	ug/kg (ppb)	
m,p-Xylene	7.0	5	ug/kg (ppb)	
o-Xylene	<5	5	ug/kg (ppb)	
MTBE	<5	5	ug/kg (ppb)	
Isopropylbenzene	<5	5	ug/kg (ppb)	
Naphthalene	27	5	ug/kg (ppb)	
Data Analyzed	6/13/97			
Analyst	Kay Baker			

Percent Moisture

% Moisture	Date Analyzed	Analyst
19.0	6/10/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

PI-4

Registered Date/Time: 06/06/1997 11:30:02 AM

Herr Foods, Inc.

ILFC#

10444

ch #

97094

Soil

Unleaded Gasoline (PA)

Unleaded Gasoline (FA)					
Analyte	Result	MDL	Units		
Benzene	<5	5	ug/kg (ppb)		
Toluene	<5	5	ug/kg (ppb)		
Ethylbenzene	<5	5	ug/kg (ppb)		
m,p-Xylene	<5	5	ug/kg (ppb)		
o-Xylene	<5	5	ug/kg (ppb)		
MTBE	19	5	ug/kg (ppb)		
lsopropylbenzene	<5	5	ug/kg (ppb)		
Naphthalene	9	5	ug/kg (ppb)		
Data Analyzed	6/13/97				
Analyst	Kay Baker				

Percent Moisture

% Moisture	Date Analyzed	Analyst
16.0	6/9/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

PI-5

Registered Date/Time:

06/06/1997 11:30:08 AM

Herr Foods, Inc.

ILFC#

10445

_ch #

97094

Soil

Unleaded Gasoline (PA)

Unleaded Gasoline (PA)				
Analyte	Result	MDL	Units	
Benzene	7.0	5	ug/kg (ppb)	
Toluene	82.0	5	ug/kg (ppb)	
Ethylbenzene	540.0	5	ug/kg (ppb)	
m,p-Xylene	3200.0	5	ug/kg (ppb)	
o-Xylene	2500	5	ug/kg (ppb)	
MTBE	2300	5	ug/kg (ppb)	
Isopropylbenzene	660	5	ug/kg (ppb)	
Naphthalene	9800	5	ug/kg (ppb)	
Data Analyzed	6/13/97			
Analyst	Kay Baker			

Percent Moisture

% Moisture	Date Analyzed	Analyst
18.6		Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:30:21 AM

Herr Foods, Inc.

PI-6

ch#

97094

Soil

ILFC#

10446

Unleaded Gasoline (PA)

Officaded Gasonife (FA)					
Analyte	Result	MDL	Units		
Benzene	10.0	5	ug/kg (ppb)		
Toluene	10.0	5	ug/kg (ppb)		
Ethylbenzene	49.0	5	ug/kg (ppb)		
m,p-Xylene	270.0	5	ug/kg (ppb)		
o-Xylene	210	5	ug/kg (ppb)		
MTBE	4400	5	ug/kg (ppb)		
Isopropylbenzene	21	5	ug/kg (ppb)		
Naphthalene	1200	5	ug/kg (ppb)		
Data Analyzed	6/13/97				
Analyst	Kay Baker				

Percent Moisture

% Moisture	Date Analyzed	Analyst
22.4	6/10/97	Cindy Logan

8270PA (Gasoline)

Analyte	MDL	Concentration	Date Analyzed	Analyst
Benzo(a)anthracene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:31:11 AM

Herr Foods, Inc.

PI-2

<u> tch #</u>

97094

Soil

ILFC#

10448

Percent Moisture

% Moisture	Date Analyzed	Analyst
18.3	6/10/97	Cindy Logan

EPA Method 8270B

	·		
MDL	Concentration	Date Analyzed	Analyst
0.03 mg/kg	<0.03	6/12/97	Kay Baker
0.03 mg/kg	<0.03		
	0.03 mg/kg 0.03 mg/kg 0.03 mg/kg 0.03 mg/kg	0.03 mg/kg <0.03 0.03 mg/kg <0.03 0.03 mg/kg <0.03 0.03 mg/kg <0.03	0.03 mg/kg <0.03 6/12/97 0.03 mg/kg <0.03 0.03 mg/kg <0.03 0.03 mg/kg <0.03

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:31:31 AM

Herr Foods, Inc.

006-1

ch #

97094

Soil

ILFC#

10450

Percent Moisture

% Moisture	Date Analyzed	Analyst
19.4	6/10/97	Cindy Logan

EPA Method 8270B

Analyte	MDL	Concentration	Date Analyzed	Analyst
Naphthalene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Fluorene	0.03 mg/kg	<0.03		
Phenanthrene	0.03 mg/kg	<0.03		
Benzo(a)anthracene	0.03 mg/kg	<0.03		
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:31:38 AM

Herr Foods, Inc.

006-2

ch #

97094

Soil

ILFC#

10451

Percent Moisture

% Moisture	Date Analyzed	Analyst
20.8	6/10/07	Cindy Logan

EPA Method 8270B

Analyte	MDL	Concentration	Date Analyzed	Analyst
Naphthalene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Fluorene	0.03 mg/kg	<0.03		
Phenanthrene	0.03 mg/kg	<0.03		
Benzo(a)anthracene	0.03 mg/kg	<0.03		
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:31:44 AM

Herr Foods, Inc.

006-3

tch#

97094

Soil

ILFC#

10452

Percent Moisture

% Moisture	Date Analyzed	Analyst
21.1		Cindy Logan

EPA Method 8270B

Analyte	MDL	Concentration	Date Analyzed	Analyst
Naphthalene	0.03 mg/kg	<0.03	6/12/97	Kay Baker
Fluorene	0.03 mg/kg	<0.03		
Phenanthrene	0.03 mg/kg	<0.03		
Benzo(a)anthracene	0.03 mg/kg	<0.03		
Benzo(a)pyrene	0.03 mg/kg	<0.03		

Sample Date:

6/4/97

Clayton Services Corp.

Registered Date/Time:

06/06/1997 11:31:20 AM

Herr Foods, Inc.

PI-3

<u>:ch #</u>

97094

Soil

ILFC#

10449

Percent Moisture

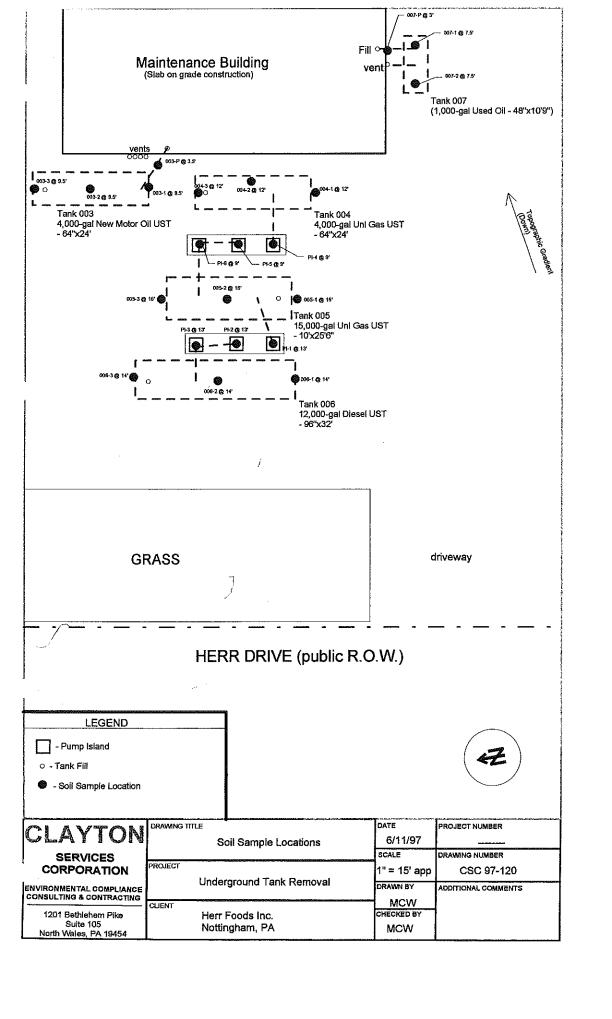
% Moisture	Date Analyzed	Analyst
22.2	6/10/97	Cindy Logan

EPA Method 8270B

Analyte	MDL	Concentration	Date Analyzed	Analyst
Naphthalene	0.03 mg/kg	0.08	6/12/97	Kay Baker
Fluorene	0.03 mg/kg	0.23		
Phenanthrene	0.03 mg/kg	0.33		
Benzo(a)anthracene	0.03 mg/kg	<0.03		
Benzo(a)pyrene	0.03 mg/kg	<0.03		

- FTTPH > 500 pm, CALL MICHAEL Williams Son Possicale ADDIT. Analysis *FO No. must be included or work may be delayed. Please call 1-2 days in advance to arrange for priority or expedited service, if not samples may be delayed.* strenerings Pritropal Israge X4 Special Detection Limits (Specify) HANDLING XAA\aleamay Solvied Lemon (2/ab gardited Service (2-3 working days) Terriority One Service (24-48 hrs.) 40 Terriority ANALYSIS REQUEST AND CHAIN OF CLETCUY FORM OFFE PA - LIST MOL-POL. ON ROOT ANALYSIS REQUES LESULTS 0168 1608 0608 48AMETERS $\forall A$ Č <u>Sprenaic</u> entified OP Plans Remarks: खा ナーしせい Metals Analysis (EPA NO. Total Oil & Grease (EPA NO. (BIEX & THI (FPA NOS. (Line (EEA ND. HHL (00 HIEX (FEW 1/O) (75 H Sampling Date Phone #: 215-315-4400 LIME FAX #: 215-362-648 (505) 892-1666 (800) 237-4532 DKIE Rio Rancho, NM 87124 HERR FOODS 1201 Rio Rancho Blvd. Sampler Signature; Method Preserved Other any Project Name: **ECOM** á Williams - CLANTON SEEVICES CORP H Received æ Other OCHEK. න්දහල Matrix Creating the standards for industry. ()o Project No.: Lice Mater Date D. DALES, PA Anyone/Anount MANNOW HAY Project Manager & Company Lubrication and Fuel Consultants Inc. HERR FOODS lab use lab Project Location: Relinquished by: Project PO No.: Michael 063-3 303-1 G- 400 Sample ID 003-- FOO 100 365-Address 005

CLSTOUY FORM	OTHER HANDLING	(ayab pri	Station (6-5) (2) Stimit	ives and ytimoiry kwaited Service Service and Service Afficients Serial Detection primaged laises	I 区 区			++-	→		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$\partial_{\sigma} q^{\sigma} $ analysis request and chain of custody form	ANALYSIS REQUEST) PLANETE25.	EPA NO.	11.4.54						Time Remarks: Same as Fago 1	7 1045
International Suite C Suite C Suite C Rio Rancho, NM 87124 Creating the standards for industry, (505) 892-1666 (800) 237-4532	Project Manager & Company: Project Manager & Company: Project Manager & Company: Project Manager & Company: Project Manager & Company:	S. D. Les, PA 19454 FAX #: : Project No.: Project Nat	ire:	Sample Lab # Matrix Method Preserved Sampling Matrix Method Preserved Sampling Matrix Method Preserved Sampling Matrix Ma	<u> </u>	- X X X - X - X - X - X - X - X				Relinquished by: Mate Time Received by: Date	*** Colection of work may be delayed Direction in the delayed of the since t



CLAYTON SERVICES CORPORATION

ENVIRONMENTAL COMPLIANCE CONSULTING & CONTRACTING

1201 BETHLEHEM PIKE, SUITE 105, NORTH WALES, PA 19454 (215) 362-6400 (215) 362-6481 FAX

Project:

Herr Foods Inc.

Nottingham, PA

- 30 day Closure notification
- Ammended registration
- Notice of Reportable Release/Notice of Contamination

ATTACHMENT 2

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES BUREAU OF WATER QUALITY MANAGEMENT DIVISION OF STORAGE TANKS

UNDERGROUND STORAGE TANK CLOSURE NOTIFICATION FORM

<u>NOTE</u>: Notification of permanent closure must be received by the appropriate regional office of the Department at least 30 days prior to initiation of the closure activities.

			Andreas and the Control of the Contr	en e	
ı.	Owner of Tar	nks			
	Owner Name	HERR FOODS INC.	<u> </u>		
	Street Address	ROSTE 272 & HERE DRIVE		Phone Number	132-6200
	City	Nottingham	State De	<u> </u>	Zip Code 19362
11.	Location of Ta				
	Facility Name	HERR FOODS INC			fication Number - 24418 ·
	Street Address	T 272 & HERR DRIVE	icipality Notting	ham	County CHESTER
	Contact Person	STEVE MORAN		Phone Numbe	932-6500
111.	Month/Day/Ye	ear of Proposed Closure 5/12/9	7		
٧.	Certified Insta	iler/Company Performing Tank Handling Activ	/ities		
	Certified Installer	Name DAN LENTZ	,		fication Number 7 a る
<u> </u>	Street Address	P.O. Box 174		Phone Numbe	
	City	BEAR	State	E	Zip Code 1970
	Certified Company		C	Company Cert	ification Number
V.	Contractor/ind	ividual Performing Site Assessment Activities			
	Name of Contracto	or or Individual MiCHAEL Williams	% CLAYTI	on Servi	CES CORP.
	Street Address	DOI BETHLEHEM PIKE, SUITE		Phone Street	_
	Cim.	ORTH WALES	State PA		Zip Code 19454
VI, I	Description of I	Jnderground Storage Tanks (See reverse side of fo	orm)		
71. Y	Will this closur	e involve replacement of at least one old tank	with a new	tank?	
·	Yes	Vo X			
4. 9	Signature of Ta	ink Owner At door	XX.	Date	4/12/97
				1	

ER-BWA-33: 11/93 VI. Description of Underground Storage Tanks (Complete for each tank undergoing closure) ಯಗಿ C03 004 **Yank Registration Number** 4/لہ N/A N/A N/A Date of Tank Installation (Month/Year) 12,000 4,000 15,000 4,000 Estimated Total Capacity (Gallons) Diesel 57241 57 EE STEC Tank Material of Construction s. Petroleum Substance(s) Stored Unleaded Gasoline Throughout Operating Leaded Gasoline Life of Tank 0000000000 Aviation Gasoline (Check All That Apply) Kerosene jet Fuel Diesel Fuel Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 4 Fuel Oil No. 5 Fuel Oil No 6 New Motor Oil **Used Motor Oil** Other, Please Specify b. Hazardous Substance Name of Principal **CERCLA Substance** AND Chemical Abstract Service (CAS) No. c. Unknown 区口 回 四口 a. Removal **Proposed Tank** b. Closure-in-Place Closure Method c. Change-In-Service (Check Only One) 007 Tank Registration Number Α/د Date of Tank Installation (Month/Year) 1,000 **Estimated Total Capacity (Gallons) Tank Material of Construction** <u>जस्ट</u> Substance(s) Stored a. Petroleum Unleaded Gasoline Throughout Operating Leaded Gasoline Life of Tank 00000000000 Aviation Gasoline (Check All That Apply) ā Kerosene Jet Fuel **Diesel Fuel** Fuel Oil No. 1 וםםםםםכ Fuel Oil No. 2 Fuel Oil No. 4 Fuel Oil No. 5 Fuel Oil No. 6 New Motor Oil

	Used Motor Oil Other, Please Specify b. Hazardous Substance Name of Principal CERCLA Substance AND Chemical Abstract				
	Service (CAS) No c. Unknown	0		O	0
Proposed Tank Closure Method (Check Only One)	a. Removal b. Closure-in-Place c. Change-In-Service	X 00	000	000	000
(Creek Only One)					

REGISTRATION OF STORAGE TANKS					
In accordance with Sections 303 and 503 of the Storage Tank and Spill Pri regulated storage Lenks are required to register their tanks with the Depi *** INSTRUCTIONS ARE INCLUDED FOR YO INCOMPLETE FORMS WILL BE RETURNED, DELAY	wention Act of 1989, owners of primers and pay the required fees. OUR REFERENCE. YOUR REGISTRATION. ***				
I. PURPOSE OF SUBMITTAL (Check (√) Those That	Apply)				
☐ Initial Registration ☐ Registration ☐ Change in Pravious Info ☐ Registration for ☐ Removal of ☐ Unregistered Tank(s) ☐ Registration for Un- ☐ Registration for Un- ☐ Registration for Un- ☐ Change from Regulated to ☐ Unregulated Substance or Use ☐ Closed in Place ☐ Change in Pravious Info ☐ All 1 ☐ Change in Pravious Info ☐ Cha	OF OWNERSHIP				
II. TANK OWNER / BUSINESS INFORMATION (T)	pe or Print Legibly)				
A. DEP CLIENT ID NO. (STATE USE ONLY) Federal Tax ID No. (EIN or SSN)	B. CHANGE OF OWNERSHIP (This section is to be completed in addition to all sections if some or all tanks have been sold/transferred or purchased.)				
Owner Name HELR FOODS INC. Address ROUTE 272 + HERR DRIVE	Effective Date of Change Sold/Transferred To (New Owner Name) (New Owner Address)				
City National State PA Zip 19362 Phone No. (610) 932 - 6500 County CHESTER Municipality W. National Towns Hip Towns Hip Vol. Fire Co./EMS Org. Federal Government State Government Corporate Private (Business) Private (Residential)	Purchased/Transferred From (Previous Owner Name) (Previous Owner Address) (Previous Facility ID No.) (Previous Tank No.(s))				
III. FACILITY INFORMATION (Type or Print Legibly)					
A. DEP FACILITY ID NO. 15 - 24418 Facility Name HERR FOODS TIME. Location Roste 272 + HERR Drive (PO Box NOT acceptable) (RR Box IS acceptable)	B. FIRE MARSHAL PERMIT NO. (IF APPLICABLE) C. CONTACT (Optional)				
City Notting Lam State PA Zip 19362 Phone No. (610) 932. 6500 County CHESTER Municipality W. Notting Lam	 Send all mail to Facility address noted to the left. Delete previously submitted Contact address and send all mail to the Owner address noted above. Send all mail to Contact address noted below: 				
Type of Facility (Check Only One) Co Unknown Die Federal, Military	Name				
☐ 01 Gas Station	Company Name				
os Aircraft Owner 5 14 Contractor					
os Auto Dealership == 15 Trucking/Transport == 16 Utilities	CrtyStateZip				
= 08 State Govt = 17 ram = 08 State Govt = 99 Other = 09 Federal, Non-Military = SPECIFY	Phone No. (

Please be advised that signature by an individual on this document represents to the Department that the individual owns the storage tank and is aware of those responsibilities and potential liabilities as an "owner" arising under the Storage Tank and Spill Prevention Act of 1989 and its regulations. Please be further advised that this registration is made subject to the penalties of 18 PA. C.S. Section 4904 relating to unsworn falsification to authorities and that Section 107(c) of this Act grants agents and employees of the Department of Environmental Protection specific rights of entry. Signature : e and Official Title of Owner

immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. This registration is conditioned upon compliance with provisions of

the Storage Tank and Spill Prevention Act of 1989, with any regulations and orders issued pursuant to this Act, and with the requirements for obtaining a permit required under this Act.

100/23

DEP Facility ID No. 1 5 - 2 4 4 1 8 Facility Name HER FOODS INC.

INFORMATION FOR ABOVEGROUND AND UNDERGROUND NEW TANK INSTALLATIONS (Write the Tank Number(s) and place a check (\checkmark) in the appropriate box for each component that was installed.)

Tank Tank Tank Tank Tank Tank Number TANK CONSTRUCTION AND CORROSION 008 009 PROTECTION (1) SINGLE WALL UNPROTECTED STEEL (A) (8) CATHODICALLY PROTECTED STEEL (GALVANIC) CATHODICALLY PROTECTED STEEL O (PMPRESSED CURRENT) DOUBLE WALL STEEL SINGLE WALL FIBERGLASS (F) DOUBLE WALL FIBERGLASS STEEL WITH PLASTIC OR FIBERGLASS JACKET (G) **{H**} STEEL WITH FRP COATING STEEL WITH UNED INTERIOR **(1)** CONCRETE OTHER (SPECIFY) (99) UNDERGROUND PIPING CONSTRUCTION AND CORROSION PROTECTION (2) (A) BARE STEEL (8) CATHODICALLY PROTECTED STEEL COPPER O FIBERGLASS FLEXIBLE (NON-METALLIC) > WALL V (99) OTHER (SPECIFY) AP \(^\text{VEGROUND PIPING CONSTRUCTION AND CORROSION PROTECTION (3)}\) CATHODICALLY PROTECTED STEEL (B) (C) COPPER (D) FIBERGLASS (E) FLEXIBLE (NON-METALLIC) (G) NONE (99) OTHER PUMP (PIPING) SYSTEM (4) 5 (A) SUCTION: CHECK VALVE AT PUMP (8) SUCTION: CHECK VALVE AT TANK PRESSURE (0 (D) **GRAVITY FED** PIPE RELEASE DETECTION METHOD (5) **AUTOMATIC UNE LEAK DETECTOR** (8) ANNUAL LINE TIGHTNESS TESTING (PRESSURE) ťO UNE TIGHTNESS TEST - 3 YEARS (SUCTION) (D) INTERSTITIAL MONITORING (€) GROUNDWATER MONITORING VAPOR MONITORING **(**₽) (G) VISUAL INSPECTION (H) NONE STATISTICAL INVENTORY RECONCULATION (SIR) SPILL PREVENTION (6) (Y) YES **OVERFILL PREVENTION PRESENT (7)** (Y) YES NO

VI. INFORMATION FOR ABC (Write the Tank Number(s) and place										TIONS	(cont.)
	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number	Tank Number
VAPOR RECOVERY PRESENT (11)	008	୦୯୩									
(A) STAGE I INSTALLED	1										
(8) STAGE H INSTALLED PIPED UP			Nor	SUIS							
IC) STAGE ! AND II INSTALLED											
(D) NONE											
'ANK RELEASE DETECTION METHOD (12)		9									
(A) MONTHLY INVENTORY CONTROL	Γ		T				T	T	· ·		
(B) ANNUAL TANK TIGHTNESS TESTING											
(C) TANK TIGHTNESS TESTING (EVERY 5 YEARS)											
(D) STATISTICAL INVENTORY RECONCILIATION											
(E) AUTOMATIC TANK GAUGING											
(F) MANUAL TANK GAUGING (36 HRS.)											<u> </u>
(G) MANUAL TANK GAUGING (44 OR 58 HRS.)											
(H) INTERSTITIAL MONITORING (2 WALLS)	~										
i) INTERSTITIAL MONITORING (LINER)						<u> </u>					
(3) GROUNDWATER MONITORING									ļ		
(K) VAPOR MONITORING					ļ. <u></u>	ļ					
(L) GROOVES MADE IN THE IMPERMEABLE PAD						<u> </u>					
M) SLOTTED PIPE ABOVE THE IMPERMEABLE PAD											
IN) NONE			ļ		<u>. </u>					 	
(O) EXEMPT (99) OTHER							 				
										M SER	VICE
Write the Tank Number(s) and place										M SER Tank Number	VICE Tank Number
	a check (V Tank Number) in the a Tank Number	ppropriat Tank Number	Tank Number	each tank Tank Number	that was Tank	removed (or closed i Tank	n place.) Tank	Tank	Tank
(Write the Tank Number(s) and place	a check (V) in the a Tank Number	ppropriat Tank	e box for Tank	each tank Tank	that was Tank	removed (or closed i Tank	n place.) Tank	Tank	Tank
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Detach and return this name to the Division of Storage Tables

SA~Q

6/16/97

P.02 CSC (65%

SWWEALTH OF PENNSYLVANIA TRENT OF ENVIRONMENTAL PROTECTION 2530-Fea-Linuxégorz Ray, 1/96 Sureau of Land Recycling and Waste Management

NOTIFICATION OF REPORTABLE RELEASE (Owners and Operators) NOTIFICATION OF CONTAMINATION (Certified Installers and Inspectors)

NOTIFICATION OF REPORTABLE RELEASE (Owners and Operators)

On August 21, 1993, the Storage Tank Cleanup Program's Corrective Action Process (CAP) regulations became effective. These regulations establish release reporting requirements for owners and operators of storage tanks and storage tank facilities.

Subsection 245,305(a) of the regulations requires owners or operators to notify the appropriate regional office of the Department as soon as practicable, but no later than 2 hours, after the confirmation of a reportable release.

Subsection 245.305(d) requires owners or operators to provide written notification to the appropriate regional office and to the local municipality, within 15 days of the notice required by Subsection 245.305(a). This form may be used to comply with Subsection 245.305(d).

OWNERS AND OPERATORS (0/0)

PLEASE COMPLETE SECTIONS L. II, IIIA. 1889, IV, V, VII AND VIII.

NOTIFICATION OF CONTAMINATION (Certified Installers and Inspectors)

On September 21, 1991, the Storage Tank Program's Certification regulations became effective. These regulations establish standards of performance for certified installers and inspectors of storage tanks and storage tank facilities.

Subsection 245.132(a)(4) of the regulations requires certified installers and inspectors to report to the Department a release of a regulated substance or confirmed or suspected contamination of soil, surface or groundwater from regulated substances observed while parforming services as a certified installer or inspector.

This form may be used to comply with Subsection 245.132(a)(4). The Department expects submission of the form within 48 hours of observing suspected or confirmed contamination. Where there is a reportable release, the form may be submitted jointly by the owner, operator, certified installer and certified inspector. In this instance, the form must be received by the appropriate regional office within 15 days of the notice required by Subsection 245.305(a).

CERTIFIED INSTALLERS AND INSPECTORS (I/I) PLEASE COMPLETE SECTIONS L. II, IRA. IIIC. VI. VII and VIII.

INSTRUCTIONS

l.	FACE ITY INFORMATION - Record the name, I.D. number and physical le	ocation (not P.O.	. Box) of the facility at which a reportable release h	24
	been confirmed or at which suspected or confirmed contamination has	i been observed.	. Include the name and phone number of a perion?	t O
	contact at the facility.	•		

OWNER INFORMATION - Record the name, business address and phone number of the owner of the facility identified in Section 1.

REGULATED SUBSTANCE INFORMATION - indicate to the best of your knowledge: A) the type of product or products involved; 9) the 111. quantity of product or products released; and Q whether the contamination is suspected or confirmed.

REPORTABLE RELEASE INFORMATION - Record the date of confirmation of the reportable release, e.g., "08/21/93"; the date and regional IV. office notified; and the date the local municipality (provide name of municipality) was sent a copy of this form. Indicate to the best of your knowledge the extent of contamination resulting from the release of the regulated substance.

INTERIM REMEDIAL ACTIONS - Indicate the interim remedial actions planned, initiated or completed.

SUSPECTED/CONFIRMED CONTAMINATION INFORMATION - Record the date of observation of the suspected or confirmed contamination, e.g., "01/01/94". Indicate to the best of your knowledge the indications of a suspected release or extent of confirmed contamination resulting from the release of the regulated substance.

ADDITIONAL INFORMATION - Provide any additional, relevant, available information concerning the reportable release or suspected or confirmed contamination. Include in this section a brief description of the activity that was being conducted when the reportable release was confirmed by the owner or operator or when the suspected/confirmed contamination was observed by the certified installer or inspector, e.g., during a(n) installation, repair or upgrade, removal from service or routine inspection.

CERTIFICATION - Please print your name, and provide your signature and date of signature. If a certified installer/impector, provide VIII. certification number and company certification number.

PLEASE SEND COMPLETED ORIGINAL FORM TO:

PA Department of Environmental Protection

Environmental Cleanup Program

Storage Tank Section

(and the appropriate address below, depending on where the FACILITY is located)

Sauthpart Region Live Park, Suite 6010 53'S North Lane Comphohester, PA 19478 FAX: 610-ETZ-61AT

Bucks, Chester, Delawere, Vibrigorary. بأطعاعات الأ

New What Region 2 Public Square Willings-Barre, PA 18711-0790 FAX: 717-829-4907

Counties Carbon, Lackgrounds, Lehigh, Luzerne, Monroe, Northerreiean. Pilos, Scherykill, Susquewas, Wayne, Wyeming

Southeantral Region One Artest Beulovers Harristang, PA 17110 TAX: 717-540-7452

Adams, Burliord, Series, Blair, Cumbertand, Dauphin, Pranklin, Pulton, Hurtingdon, Juniota Lehill Lebenon, Miffen, Perry, York

Northcentral Region 700 W. Third Street, Suite 101 Williamsport, FA 17701 FAX: 717-327-3565

Bradford, Comeron. Covere, Chriton, Clearfield, Columbia, Lycoming, Manteur, Rotthum bir bind. Po Snyder, Sudinan, Tiege, Union

Southwest Region 400 Weisriront Drive Hitshurgh, PA 15222 FAX: 412-442-4194

Alleghery, Armstrong, Beaver, Cambrid, Fayette. Greens, Indiana, Sumerset, Washington, Wastmoreland Nontwest Region 236 Chesenut Street Mandelle, PA 16235 FAX: 814-332-6121

Butter, Clanen, Crewford, File, Erne, Forest, Jufferton, Laurence McKeen Mercer. Venengo, Warren

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Street Address (P.O. Box not acc	s Inc	Facility I.D. Number /5- シリリタ
Street Address (P.O. Box not acc	epteb c)	
COUTE 272 +	HERR DRIS	
City	State	Zip Code
Nattingham	PA	19362
County	Municipalit	ky i
CHESTER	Nottu	NGLAM
Fanto et Bourto	Phene Meet	1289

II. OWNER INFORMATION (Both O/O and I/I)

And the second s					
Öwner Name	SAME	AS	<u> </u>		_
Address					
City					
State				Zip Code)-W-
Phone Number	 				aen

	III. REGULATED SUBS	TANCE INFORMATIO	N	
A. Type of Product(s) involved (Mark Ali That Apply E): Eoth O/O and I/I	8. Quantity (Gallons) of Q/Q Only	Product(s) Released:	C. Contamination Sur Confirmed (C): (/) Only	pected (5) or
Leaded Gasoline Unleaded Gasoline Aviation Gasoline Kerosene Jet Fuel Diesel Fuel New Motor Oil Used Motor Oil Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 5 Fuel Oil No. 6 Other (Specify) Unknown			[S] [S] [S] [S] [S] [S] [S] [S]	C C C C C C C C
N. 1	REPORTABLE RELEASE	INFORMATION (O/O	Only)	
Date Reportable Release was Corrièmed: Sold Sold Sediment Surface Water Date Office Off				
m d y	V. INTERIM REMEDIAL	ACTIONS (O/O Oslan	A Company of the Comp	
(Mark All That Apply @): Regulated Substance Removed from Storage To Fire, Explosion and Safety Hazards Mitigated Contaminated Soil Excavated Free Product Recovered Temporary Water Supplies Provided Other (Specify)	Plan inks		Completed	3
VI. SUSPECTED	/ CONFIRMED CONTA	MINATION INFORM	ATION (I/I Only)	
Date of Coservation of Suspensed/Confe	med Contemination:	र् ।दुध। १७७		
Indication of Suspected Contamination 'erk All That Apply 82): Unusual Level of Vapors Erratic Behavior of Product Dispensing Equipment Release Detection Results Indicate a Release Discovery of Holes in the Storage Tank	mt	Ponded Product Free Product or Sheen on I Free Product or Sheen on:	amination It Saturated Soil or Backfill Ponded Water Ithe Ground Water Surface Surface Water	
Other (Specify)	· · · · · · · · · · · · · · · · · · ·		S FID FILLS Proper	

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ند		1 004 D J B D 7 00 60 7	27 AMAG	W 100

VII. ADDITIONAL INFORMATION (Both O/O and I/I)

relude a brief description of the activity that was being conducted when the reportable release was confirmed by the owner or operator or when the aspected/confirmed contamination was observed by the certified installer or inspector, e.g., during a(n) installation, repair or upgrade, removal from arvice or routine inspection.

On May 28, 1997, Enercon Services Inc. uncovered and removed two underground storage tanks. During the excavation activities, soils exhibiting strong gasoline odors and visual staining were observed. Soils with elevated field readings (FID) were stockpiled on and under plastic for future treatment and/or disposal.

VIII, CERTIFICATION	(Both O/O and I/I)
STEVE WOR/MI Segou(relating to unsworp felsification to authorities) that I am the owner information provided by rife in this notification is true, accurate and complete Signature of Owner or Operator	hereby certify, under penalty of law as provided in 18 Pa. C.S.A.
Separation of Certified Installer [Residual Control of Certified Instal	hereby certify, under penalty of law as provided in 18 Pa. C.S.A. d installer who performed tank handling activities at the above referenced tion is true, accurate and complete to the best of my knowledge and belief. Date Company Certification Number
installer Certification Number I. M.CHACL Williams (Print Name)	, hereby certify, under penalty of law as provided in 18 Pa. C.S.A.

CLAYTON SERVICES CORPORATION

ENVIRONMENTAL COMPLIANCE CONSULTING & CONTRACTING

1201 BETHLEHEM PIKE, SUITE 105, NORTH WALES, PA 19454 (215) 362-6400 (215) 362-6481 FAX

Tank Cleaning/Disposal Documentation

Project:

Herr Foods Inc.

Nottingham, PA

- Non-Hazardous Liquid Manifests
- Tank Cleaning Certificate
- Tank Disposal Documentation

Note:

A 21,000-gallon Frac tank was required on-site to containerize surface stormwater and trapped surface water which accumulated in the excavation during the overexcavation of contaminated soils. Approximately 12,000-gallons of stormwater was containerized and ultimately discharged to the surface after treatment through granular activated carbon. Mr. Keith Dudley, PADEP Southeast Regional Office, granted verbal permission to discharge the water after treatment. Analytical results of the discharged water are available upon request.

	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manife Documen	st 2. Page 1		
	Generator's Name and Malling Address Herr's Portate Chip (1). ATE 212, We Hing NAM Generator's Phone (. 21.		1 '	contrato	
5. A	Transporter 1 Company Name	Tech MAR	US EPA ID Number 0.0.0.0.0.4.9	08 360		ું
	Transporter 2 Company Name	8.	US EPA ID Number			· ·
	Designated Facility Name and Site Address	10. 27. 1	US EPA ID Number		r's Phone ///	77
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11	Waste Shipping things and Description			A HARLES AND A SECURITION OF THE PARTY OF TH	ana tu	
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6	Additional Descriptions for Materials Listed Alloward Production 1989 ON TANK CLEUNING PL	y uns gen	entest by		Refer to Wildlie Chito Ab	
15.	Special Handling Instructions and Additional Info	Λ	ocy CALI	410-3	7-1795	•
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18	Egyphaton's CENTICATION: I contry the r		anifest are not subject to feder greature 7/Ask 8	rel regulations for reporting WWAN	g propagation beat of Hazardou Monda Monda Most	Pay 2 6
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F AC	Discrepancy Indication Space				1.	<u>,</u>
C i). Facility Owner or Operator: Certification of recei	pt of waste materials covered by	y this manifest except as no	sted in Item 19.		····· ·-
L 20	in a sound of the operation of the contract of					
1	Printed/Typed Nema	Si	gneture	* *	Month	Day

008 P02

GENERATOR'S COPY

EnerCon Services, Inc.

P.O. Box 174 Bear, DE 19701 (302) 834-8265 Fax# (302) 834-4699

Date: June 4, 1997

Clayton Services Corporation 1201 Bethlehem Pike, Suite 105 North Wales, PA 19454 Fax #215-362-6481

Tank Cleaning Certification

This letter will certify that EnerCon Services, Inc. pumped out the contents of a 1,000 gallon waste oil tank, a 4,000 gallon motor oil tank, a 4,000 gallon gasoline tank, a 12,000 gallon gasoline tank and a 15,000 gallon diesel underground storage tank located at Herr's in Nottingham, PA. The tanks were cleaned, wiped, powdered dry and vapor freed. The cleaning was done by a 40-hour OSHA trained employee with Confined Space Certification. All work was done in accordance with API Publication No. 1604 and in compliance with all state and federal regulations.

Sincerely yours, EnerCon Services, Inc.

Jim Brown/lw

Jim Brown Vice President

JB:lw

... ROUTE 372E

PARKESBURG, PA 19365

(610) 857-1200

ATTN: MIKECDONOVAN

P. O. BOX 451

ENERCON SERVICES P. O. BOX 174 BEAR, DE 19701

JULY 3, 1997

CERTIFICATE OF DESTRUCTION

SERVICE LOCATION: HERRS FOODS

RTE. 272 & RTE. 1 NOTTINGHAM, PA

SERVICE ITEMS: ONE (1) 15,000/GALLON DIESEL STEEL TANK

ONE (1) 12,000/GALLON GASOLINE STEEL TANK ONE (1) 4,000/GALLON GASOLINE STEEL TANK ONE (1) 4,000/GALLON MOTOR OIL STEEL TANK

ONE (1) 2,000/GALLON WASTE OIL STEEL TANK

ZYDINSKY CONTRACTORS OPERATIONAL PERSONNEL DID CAUSE AND EFFECT COMPLETE AND/OR IRREPARABLE DESTRUCTION TO THE ABOVE REFERENCED ITEMS SO AS TO RENDER SAID ITEMS PERMANENTLY INOPERABLE AND/OR UNUSABLE FOR ORIGINAL PURPOSE. ITEMS WERE SUBSEQUENTLY SHIPPED OFF-SITE AND SUBMITTED FOR DISPOSAL UNDER ZYDINSKY CONTRACTORS GENERIC SCRAP APPROVAL CODE THROUGH WHICH THERMAL REDUCTION AND/OR ELIMINATION PROVIDED THE FINAL DISPOSITION OF SAID ITEMS.

RESPECTFULLY,

ZYDINSKY CONTRACTORS

JOSEPH²

OWNER

CC: FILE

WEIGHWASTER CERTIFICATE

TIME

LURIA BROTHERS

A DWINGON DE CONNELL LIMITED PARTIMED 20 MORTHWILLE ROAD MODENA, PA 19358 TELEPHONE: 610-384-2881

WEIGHT

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VEHICLE # 14 S N. C. *<u>'</u> ORDE# SUPPLERISELLA

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TIME WEIGHMASTER CERTIFICATE

LURIA BROTHERS

20 MORTINVILLE ROAD MODENA, PA 19358 TELEPHONE: 610 284-2861

WEIGHT

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SIGNED X

by a weighmastay, who by dignaturphs on this centificate, who is a recognised authority of econ-rizery, as prevented by the applicable Business and Professions Code of this realise, acts adminis-teres by the authorized state department responsible for Messurement Standards of this state. THIS IS TO CERTIFY IN

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LURIA BROTHERS A DIVISION OF DIRINGHAM BOSHING ZO MORTINVILLE ROAD NODENA, PA 18658 TELEMONE 610 384 2881 TELEMONE 610 384 2881 WEIGHT	GROSS TOKE TABE 1200 TARE	71CKET# 28520 15.08 NET 28550 15.08 NET 28550 15.08 NET	1.0. # 10.5 TRICK TO 195 ORDER #	SUPPLIER/SELLER	COMMODITY DESCRIPTION LANGE LANGE	GROSS BY ALL DEPUTY TARE BY A DEPUTY	VEHICLE OWNER ASSUMES FESPONSTBILITY FOR ANY DAMAGE TO VEHICLE BY CHAVE.	THES IS TO CERTIFY plet the above described conmodity was weighed, measured, or counted by a weighnesser, whose signatures on this certificate, who is a recognized actionity of accuract, by a prescribed by the applicable Business and Professions Code of this state, and administered by the authorized state department responsible for Newsurement: Standards of this state,

CLAYTON SERVICES CORPORATION

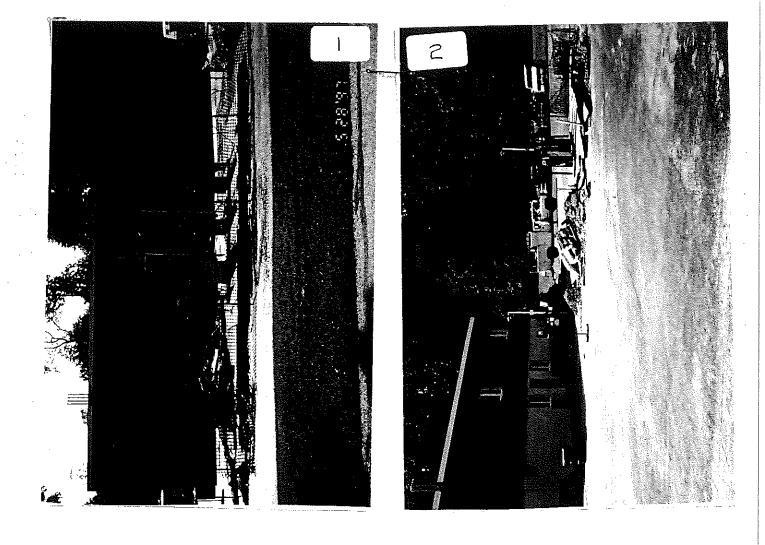
ENVIRONMENTAL COMPLIANCE CONSULTING & CONTRACTING

1201 BETHLEHEM PIKE, SUITE 105, NORTH WALES, PA 19454 (215) 362-6400 (215) 362-6481 FAX

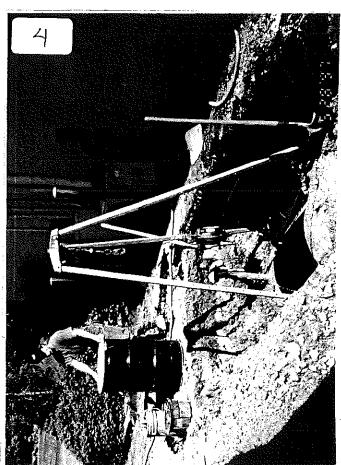
PHOTODOCUMENTATION

Project: Herr Foods Inc., Nottingham, PA

	· · · · · · · · · · · · · · · · · · ·
1)	Tank location prior to tank removals. Note excavation of diesel UST (Tank 006) for testing and investigation of leak.
2)	Same as #1
3)	Draining of product lines back to respective USTs.
4)	Tripod for internal tank cleaning
5)	Removed Waste Oil UST (Tank 007)
6)	Removed new oil UST (Tank 003)
7)	Excavation after removal of Tank 003
8)	Removed gasoline UST (Tank 004)
9)	Excavation of 15,000-gal gasoline prior to removal (Tank 005)
10)	Removal of 12,000-gal diesel UST (Tank 006)
11)	Excavation of 12,000-gal diesel UST prior to removal (Tank 006)
12)	Visible hole in bottom of Tank 006
13)	Removed and labeled Tanks 003 & 004
14)	Stockpiles of contaminated soil removed from under Tanks 005 & 006
15)	Same as #14
16)	21,000-gal Frac tank used to contain stormwater runoff into excavation during overexcavation of contaminated soils.



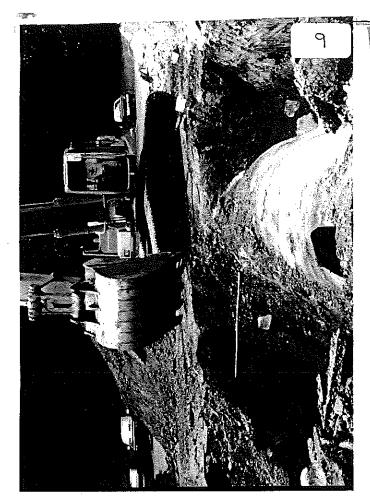


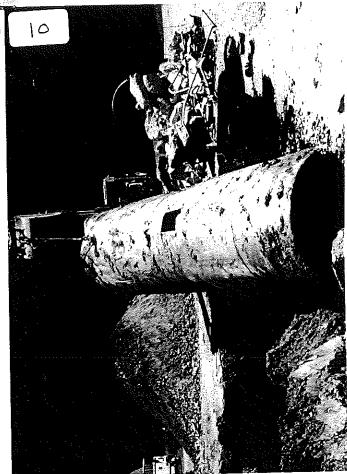


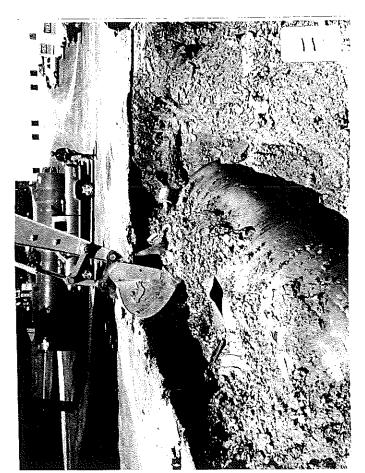


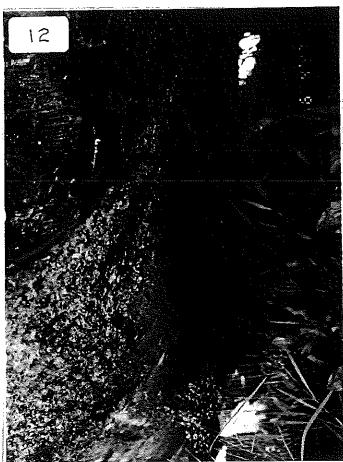


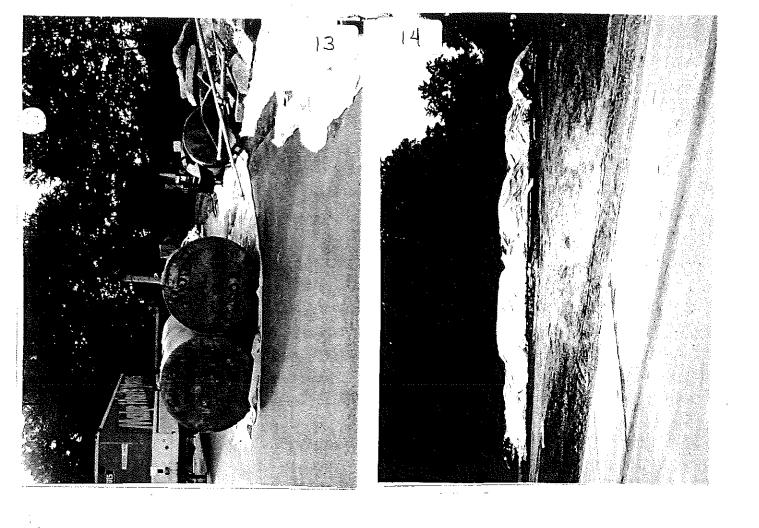


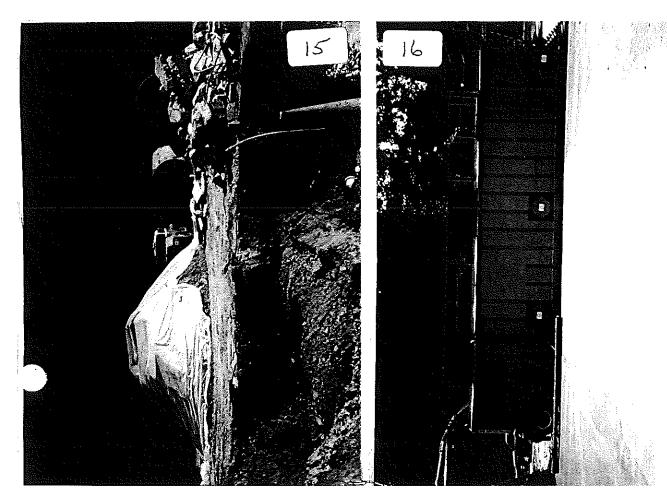












CLAYTON SERVICES CORPORATION

ENVIRONMENTAL COMPLIANCE CONSULTING & CONTRACTING



1201 BETHLEHEM PIKE, SUITE 105, NORTH WALES, PA 19454 (215) 362-6400 (215) 362-6481 FAX



July 3, 1997

Ms. Susan Kishbaugh PADEP - SE Region Lee Park, Suite 6010 555 North Lane Conshohocken, PA 19428

Re:

Notice of Contamination

Herr Foods Inc.

Facility ID # 15-24418 was Two.

Dear Susan,

As per our discussion, attached please find one "Installation Contractor" signed Notice of Contamination (NOC) for the above referenced project.

I anticipate this will complete the notification process of your department, as requested.

Please contact our office with any questions.

Sincerely,

Michael Williams

Clayton Services Corporation

PADEP Co. Cert # 1322

PADEP Ind. Cert # 4053

L'Esure Report ForthComina.

P.02 CSC CON

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2539-Feb-LR1489868822 Ray, 5/85 Thimselban of Land Broyd, Sira Dan Strates

NOTIFICATION OF REPORTABLE RELEASE (Owners and Operators) NOTIFICATION OF CONTAMINATION (Certified Installers and Inspectors)

HOTHKATION OF REPORTABLE RELEASE (Owners and Operators)

On August 21, 1993, the Storage Tank Cleanup Program's Corrective Action Process (CAP) regulations became effective. These regulations establish release reporting requirements for owners and operators of storage tanks and storage tank derilities

Subsection 245.305(a) of the regulations requires owners or operators to notify the appropriate regional office of the Department as soon as practicable, but no later than 2 hours, after the confirmation of a reportable release.

Subsection 245.305(d) requires owners or operators to provide written notification to the appropriate regional office and to the local municipality, within 15 days of the notice required by Subsection 245.305(e). This form may be used to comply with Subsection 245.305(d).

OWNERS AND OPERATORS (0/0) PLEASE COMPLETE SECTIONS L. M. MA. 1489. IV. V. VII and VIII.

NOTIFICATION OF CONTAINMENTON (Cortified Installers and Inspectors)

On September 21, 1981, the Storage Yank Program's Cartification regulations became affective. These regulations establish standards of performance for certified installers and inspectors of storage tanks and storage tank facilities.

Subsection 245.132(a)(4) of the regulations requires certified installers and inspectors to report to the Department a release of a regulated substance or confirmed or suspected contemination of soil, surface or groundester from regulated substances observed white performing services as a certified installer or inspector.

This form may be used to comply with Subsection 245.132(a)(4). The Department expects submission of the form within 48 hours of observing suspected or confirmed contamination. Where there is a reportable release, the form may be submitted jointly by the owner, operator, certified installer and certified inspector. In this instance, the form must be received by the appropriate regional office within 15 days of the notice required by Subsection 245.305(a).

CERTIFIED RISTALLERS AND INSPECTORS (IA) PLEASE COMPLETE SECTIONS L.D. MA. IIIC, VI. YE SA'S VIII.

INSTRUCTIONS

FACE ITY INFORMATION - Recent the name, I.D. number and physical location (not P.O. Box) of the facility at which a reportable release has been confirmed or at which suspected or confirmed contamination has been observed. Include the name and phone number of a person to contact at the facility.

OWNER INFORMATION - Record the name, business address and phone number of the owner of the facility identified in Section I.

REGULATED SUBSTANCE BIFORMATION - Indicate to the best of your knowledge: A) the type of product or products involved; 6) the m.

quentity of product or products released; and C whether the contemination is suspected or confirmed.
REPORTABLE RELEASE REFORMATION - Record the date of confirmation of the reportable release, e.g., "08/21/93"; the date and regional office notified; and the date the local municipality (provide name of municipality) was sent a copy of this form. Indicate to the best of your knowledge the excent of contemination resulting from the release of the regulated substance.

INTERNATION REMEDIAL ACTIONS - Indicate the interim remedial actions planned, initiated or completed.

SUSPECTED/CONFIGMED CONTAMBNATION INFORMATION - Record the date of observation of the suspected or confirmed contamination, e.g., "01/01/94". Indicate to the best of your knowledge the indications of a suspected release or extent of confirmed contamination

sting from the release of the regulated substance. ADDITIONAL IMPORMATION - Provide any additional, relevant, available information concerning the reportable release or suspected or confirmed contamination. Include in this section a brief description of the activity that was being conducted when the reportable release was confirmed by the owner or operator or when the suspected/confirmed concernination was observed by the certified installer or inspector, e.g., during s(n) installation, repair or upgrade, removal from service or routine inspection.

CERTIFICATION - Please print your name, and provide your signature and date of signature. If a certified installer/inspector, provide certification number and company certification number.

PLEASE SEND COMPLETED ORIGINAL FORM TO:

PA Department of Environmental Protection Environmental Cleanup Program

Storage Tank Section

(and the appropriate address below, depending on where the FACILITY is located)

Sauthean Region Log Park, furto 6610 ESK North Lone 1240 PA 19430 FAR: 618-697-6140

Suda, Overter, Deleven

Heritock Region 2 Publik Square Williags-Barre, PA 18711-0798 FAX: 717-426-4007

Counting Carbon, Lockson, rock, Lehigh, Lucyrne, Merren, Nertharth ton, Pine, Manytoil, Susque reso, Weyne, Wytening

Southebred Region One Armet Bodoward reprintant PA 1711D TAN: 717-540-7482

ore, Bedford, Berlet, Bisir, Cumbedood, Dauphin, Frenklin, Pulson, Hurtingdon, Juniota, Lancast Laboraca, Milfilm, Parry, Yark

hypriscentral Region 200 W. Third Street, Suite 101 Williamsport, PA 17701 FAU: 717-327-3565

Bradford, Corneron, Contre. Clinton. Clearfield Columbia, Lycaming. teur, Nerthurnberbad, Fer Invoter, Sufficient, Tiago, Clarko

Southwest Registr 400 Waterfront Drive PRINCIPLES, PA 15222 PAY: 512-662-6194

pgiwny, Armstrong. Boaver, Cambria, Favelos m, miora, Sementel Mershausst Region 236 Chadrut Street FAX: B14 181 6121

Butter, Clarica, Crowford, Elk. Erra. Ferrest. Mifferston. Liverance Makeun, Mares. HIND, MARTINET

L FACILITY INFORMATION (Both O/O and I/I)

Facility Name	Foots		Facility I.D. Number グラング
Street Address (P.O.		able) LRX DRIVE	
City /		State PA	500 qis
County		Municipality	1
CHESTO	<u>rk</u>	Nouna	gham

Owner Name			-	
Address	5AME	<u> </u>		telescottimisterinium octorum graphyspopet
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State	and the state of t		Σίρ	Code
Phone Nieriber		or and the second		rokon-tionessatti (imperantaminataminataminataminataminataminataminataminataminataminataminataminataminatamina

II. OWNER INFORMATION (Both O/O and I/I)

	III. REGULATED SUBSTANCE INFORMATIO)N
A. Type of Preduct(s) involved (Mark Ali That Apply &): Both O/O and I/I	Quantity (Galleria) of Product(s) Released: Q/Q Only	C. Contemination Suspected [5] or Confirmed [C]: Vi Only
Leaded Gasoline Unleaded Gasoline Aviation Casoline Kerasene Let Fuel Diesel Fuel New Motor Oil Used Motor Oil Used Motor Oil Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 5 Fuel Oil No. 5 Cother (Specify) Unknown		
	parallel streets directly plants simple of the control of the cont	1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
IV. R	EPORTABLE RELEASE INFORMATION (O/C) Only)
Date Reportable Release was Confirmed: Date Owner/Operator Verbally Notified Appro- Reportable Release and Office Retified: Date	correction to Local i:	erical Impacts (Maris All That Apply &): cil
Date 1-14197 Municipality	3	
	v. INTERIM REMEDIAL ACTIONS (0/0 Onl	<u>Y)</u>
Fire, Explosion and Safety Hazards Mitigated Contaminated Soil Excavated Free Product Recovered Temporary Water Supplies Provided Other (Specify)	.,,, D	
VI. SUSPECTED Date of Observation of Suspected/Carelle		mand the safety and the safety
Indication of Suspected Contamination (Mark All That Apply Eli: Umauel Level of Vapors	Extert of Confirmed Con (Merk All That Apply E) Product Stained or Prod	
Erretic Behavior of Product Dispensing Equipment Release Detection Results Indicate a Release Discovery of Holes in the Storage Tank	Ponced Product or Sheen o Free Product or Sheen o Free Product or Sheen o	n Pended Water of the Ground Water Surface in Surface Water Ch F±D Crth Denotors

-tw-Travers	VII. ADDITIONAL INFORMATION	(Both O/O and I/I)
ude à brief de pacted/confirm rice or routine	scription of the activity that was being conducted when the reported to the contamination was observed by the certified installer or inspendent	table release was confirmed by the owner or operator or when the ctor, e.g., during a(n) installation, repair or upgrade, removal from
	On May 28, 1997, Enercon Services Inc. unco- underground storage tanks. During the excava- strong gasoline odors and visual staining were readings (FID) were stockpiled on and under p disposal.	observed. Soils with elevated field
	VIII. CERTIFICATION (BO	
	STEVE MORINI	hereby certify, under penalty of law as provided in 18 Pa. C.S.A.
appa(relating formation pr	to unsworp fabilication to authorities) that I am the owner or ovided by me in this notification is true, accurate and complete to the state of the	operator of the above referenced storage tank fecility and that the he best of my knowledge and belief,
	Signature of Owner or Operator MICHAFEL S. DONOVAN	hereby certify, under penalty of law as provided in 18 Pa. C.S.A.
	(PYIN, PARTIE)	taller who performed tank handling activities at the above referenced is true, accurate and complete to the best of my knowledge and belief.
	Signature of Certified Installer	36
المريديونيونيونيونيونيونيونيونيونيونيونيونيوني	Installer Certification Nurreser	Company Certification Number
	ICHASI WILLIAMS	hereby certify, under penetty of law as provided in 16 Pa. C.S.A.
§4904 (relatin storaga tank f	ig to unsworn falsification to authorities) that I am the certified is actification provided by me in this notification	repactor who performed inspection activities at the above reference is true, accurate and complete to the best of my knowledge and belief
	Signature of Certified Inspector	Daite

Inspector Certification Number



Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010 555 North Lane Conshohocken, PA 19428 November 17, 1997

Southeast Regional Office

610-832-5949 Fax 610-832-6143

Steve Moran Herr Foods, Inc. P.O. Box 300 Nottingham, PA 19362

Re: Storage Tank Program
Herr Foods, Inc.
Facility ID No. 15-24418
Route 272 & Herr Drive
West Nottingham Township
Chester County

Dear Mr. Moran:

The Department has reviewed the closure report submitted by Clayton Services Corporation, dated July 2, 1997, regarding the removal of one steel 15,000-gallon unleaded gasoline, one steel 12,000-gallon diesel, one steel 4,000-gallon new motor oil, one steel 4,000-gallon unleaded gasoline, and one steel 1,000-gallon used motor oil underground storage tanks at the above referenced facility.

The closure report indicates that contamination was encountered during the tank removal process. The contamination of soil and/or water, including groundwater, as the result of a discharge, spill or release of a regulated substance from a storage tank is a violation of Section 1304 and 1310 of the Storage Tank and Spill Prevention Act.

Although analytical results from soil sample Nos. Pl-5 and Pl-6 exceed the statewide health standard for MTBE, based on our review of the information and conclusions contained in the report, it appears that no further action is required regarding the closure of the tanks listed above. We do not warrant the accuracy or veracity of any closure report. If we subsequently obtain additional information which indicates the existence of contamination caused by the conditions on your premises, we reserve the right to require additional site characterization and/or remediation.

Although the closure report as submitted enables the Department to determine that no further action is needed, please be advised that the case file for this facility will not be complete until the following information is received:

Documentation of proper disposal of the contaminated soil.

CLAYTON SERVICES CORPORATION

ENVIRONMENTAL COMPLIANCE CONSULTING & CONTRACTING

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1201 BETHLEHEM PIKE, SUITE 105, NORTH WALES, PA 19454 (215) 362-6400 (215) 362-6481 FAX

October 1, 1997

Mr. Steve Moran Herr Foods Inc. PO Box 300 Nottingham, PA 19362

Re:

"Narrative Report"

Underground Storage Tank Project USTIF Claim Number: 97-175(F) PADEP Facility ID # 15-24418

Dear Steve,

At the request of ICF Kaiser, Clayton Services Corporation is providing the following summary of activities and remedial actions which took place during your underground storage tank removal/replacement project. This summary is in addition to the Tank Closure Report dated 7/2/97, which was prepared by Clayton and submitted to the PADEP and ICF Kaiser.

Overview

Herr Foods, Inc. contracted with Enercon Services (Enercon) of Bear, DE for the removal and replacement of the underground storage tanks located at their Nottingham, PA maintenance garage facility. A total of five (5) underground storage tanks (USTs) were removed and replaced with two (2) new double walled USTs. Clayton Services Corporation (Clayton) was subcontracted by Enercon to perform all of the required PADEP tank closure soil sampling and reporting. The project was conducted between May 28, 1997 and concluded in early August 1997. The following underground storage tanks (USTs) were removed and replaced, as noted:

Removal:

(1) 1,000-gallon Waste Oil (Tank 007)

(1) 4,000-gallon New Motor Oil (Tank 003)

(1) 4,000-gallon Unleaded Gasoline (Tank 004)

(1) 15,000-gallon Unleaded Gasoline (UST 005) "leaking"

(1) 12,000-gallon Diesel (Tank 006) "leaking"

Install:

(1) 10,000-gallon Diesel

(1) 10,000-gallon Gasoline

Page 2 October 1, 1997 Mr. Steve Moran Herr Foods Inc.

Release Incident

In or around February of 1997, Herr Foods Inc. discovered an accumulation of water within their 12,000-gallon diesel UST. Upon further investigation and tank testing, it was determined that the diesel UST was indeed leaking. Herr Foods Inc. immediately removed all the product from the tank and started proceedings to contract for the removal of all five USTs and the installation of a new two tank double walled system.

On May 28, 1997, Enercon Services cleaned and removed the three smaller USTs. During the excavation of backfill material necessary to remove USTs 003 and 004, excessive petroleum vapors were evident in the excavated backfill soil and soils with elevated field readings were stockpiled on and under plastic. Soils were screened by Michael Williams of Clayton with a Foxboro OVA 128 Flameionization Detector (FID). Although neither Tank 003 nor 004 contained any visible holes, backfill material which was also common to other on-site USTs exhibited excessive petroleum odors. The Pennsylvania Department of Environmental Protection (PADEP) was notified on May 28, 1997 of the suspected release and a Notice of Contamination form was subsequently submitted, as required.

Due to the tight confines of the site and the logistics of the large excavation required for the removal of USTs 005 and 006, tank removal operations were continued on June 4, 1997. On June 4, 1997, Enercon removed the two remaining USTs. Several holes were discovered in Tank 006 and only "weep type" holes were discovered in Tank 005. After a discussion with the Owner regarding the release claims process, the Underground Storage Tank Indemnification Fund (USTIF) was contacted on June 6, 1997.

Extent of Contamination

Impacted soils were field screened and stockpiled between June 4 and June 6, 1997. Because the site is underlain by a very tight silty schist material, it appears the contamination was limited to the common backfill material surrounding the four larger removed USTs. The removed 1,000-gallon waste oil UST (Tank 007) was remote from the other four USTs and did not exhibit any soil odors nor elevated field FID readings. All laboratory analytical results indicated soils below any pertinent PADEP cleanup levels for the waste oil excavation.

Soils around Tanks 005 and 006 and their associated pump islands were excavated until diminished field readings were obtained. It was discovered that contamination had reached the backfill material surrounding Tanks 003 and 004

Herr USTIF summary.wps

Page 3 October 1, 1997 Mr. Steve Moran Herr Foods Inc.

and had also impacted the soils beneath the removed pump islands. Contamination appeared to be a result of the release of product from Tanks 005 and 006 which accumulated in the more permeable backfill material used around the existing USTs. Due to the tight non-permeable nature of the surrounding virgin soils, trapped surface water was accumulated within the large excavation and appeared to contribute to the migration of the released diesel and gasoline compounds to adjoining backfill material. Any accumulated surface water within the excavation was removed, containerized, sampled, and discharged after PADEP approval. Treatment and sampling of the trapped surface water was necessary prior to final discharge due to the documented release. No groundwater was apparently encountered during this project and all horizontal and vertical contaminant migration appeared to diminish at the backfill/virgin soil interface. Post excavation soil samples revealed only several areas which were slightly above the PADEP Action Levels for Methyl Tertiary Butyl Ether (MTBE) and Naphthalene. No other compounds of concern were elevated above the PADEP action levels.

Remedial Options and Choices

The remedial options for the proper treatment of the contaminated soil was limited by the installation of replacement USTs. Soils expected to be utilized in backfilling and restoration of the site were impacted and could not be reused. Also, since the new tanks had to be installed within the impacted area, future treatment would surely be hampered by short circuiting and interference of treatment methodologies. Since the impacted media appeared to be limited to the backfill material of the removed USTs, soil removal was chosen as the most effective and safest option to eliminate the contaminant source.

The risks of leaving impacted soils in place was intensified by the presence of trapped surface water within the excavation. The "bathtub effect" of less permeable tank excavations often leads to surface water infiltration, filtering, and enhanced migration of contaminants. In addition, the immediate area is served by private wells and the risks associated with leaving source contaminant material in-place are greater. All soils which were accessible and which would not impact the structural integrity of the adjacent building were removed and stockpiled.

Since the site is a producer of public food products and any newly installed tanks would limit remedial effectiveness, the choice was made to remove the impacted soils and dispose at an approved disposal facility. The impacted soils appear to have been removed and the amount of stockpiled soil is estimated at 1,100 to 1,300 tons. The soil is currently stockpiled at the site awaiting proper disposal.

Page 4 October 1, 1997 Mr. Steve Moran Herr Foods Inc.

Estimated Cost of Remediation

Costs incurred to date and which are anticipated are as follows:

1) Loading contaminated soil for staging	\$ 2,340.00
- \$1,170/day x 2 days	
2) Staging & Stockpiling of Contaminated Soil	\$ 4,500.00
- labor, hauling, plastic - 750 cu. yd.	
3) Select Fill over base bid 587.75 tons compacted	\$ 9,991.75
4) Pea Gravel over base bid (110.25 tons)	\$ -2,701.13
5) Frac Tank, pump water, carbon filter (lot)	\$ 5,896.00
Lab Testing of Stockpiled Soil and Frac Tank Water	\$ 3,100.00
7) Environmental Consultant Oversight and Reporting	\$ 3,500.00
8) Soil Loading, Transport, and Disposal	\$ 86,400.00
- 1,200 tons @ \$72/ton	
Anticipated Total	\$118,428.88

Note: This total is for <u>current</u> remedial measures. Although it appears the PADEP will not require any further action at this site, additional costs may be encountered if the PADEP requires any additional subsurface investigation.

Conclusions

The majority of the impacted soils surrounding the USTs appears to have been removed during overexcavation and stockpiling activities. Post tank removal laboratory results are contained within the Tank Closure Report dated 7/2/97. Michael Williams has had several discussions with Susan Kishbaugh and Kathy Nagle of the PADEP regarding the remedial measures and closure status of this site. After reviewing the post removal soil sample analytical results and the nature of site contamination, the PADEP did not anticipate requiring any further remedial measures. Final review and approval of the remedial measures as outlined in the Tank Closure Report is pending from the PADEP.

I have attached the soil, frac tank water discharge, and the stockpile laboratory results for your inclusion of requested claims material. Please contact our office with any questions regarding this project or your claims process.

Sincerely,

Michael Williams Project Manager

Clayton Services Corporation

Herr USTIF summary.wps



07/18/97 04:39pm

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454 Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES. PA 19454

Account No: B00111.	CLAYTON SERVICES CORPORATION	P.O. No:	Inv. No:
Project No: B00111.	CLAYTON SERVICES CORPORATION	PWSID No:	
Sample Number	Sample Description	Samp. Date/Time/	
1241167-1	HERR FOOD INC SP-3 SOIL	07/15/97 08:00a	
Parameter BENZENE TOLUENE ETHYL BENZENE M/P-XYLENE O-XYLENE ISOPROPYLBENZENE NAPHTHALENE METHYL TERTIARY BL TOTAL SOLIDS PERCE		Result PQL 7280 ug/kg DRY 300. ug/l 160000 ug/kg DRY 6010 ug/l 63100 ug/kg DRY 6010 ug/l 251000 ug/kg DRY 6010 ug/l 97800 ug/kg DRY 6010 ug/l 5340 ug/kg DRY 300. ug/l 21600 ug/kg DRY 6010 ug/l 529. ug/kg DRY 300. ug/l 83.24 \$ 0.01000 \$	kg 07/18/97 kg 07/18/97 kg 07/18/97 kg 07/18/97 kg 07/17/97 kg 07/18/97
Sample Number	Sample Description	Samp. Date/Time/	
L241167-2	SP-4 SOIL	07/15/97 08:00a	
Parameter BENZENE TOLUENE ETHYL BENZENE M/P-XYLENE O-XYLENE ISOPROPYLBENZENE NAPHTHALENE METHYL TERTIARY BU TOTAL SOLIOS PERCE		Result PQL ND ug/kg DRY 305. ug/ 775. ug/kg DRY 305. ug/ 439. ug/kg DRY 305. ug/ 1660 ug/kg DRY 305. ug/ 3850 ug/kg DRY 305. ug/ ND ug/kg DRY 305. ug/	kg 07/17/97 kg 07/17/97 kg 07/17/97 kg 07/17/97 kg 07/17/97 kg 07/17/97

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL.

QC INC's laboratory certification numbers are: PADER 09-131: NJDEP 77166; NC 488; NY.CT.DE and MD UPON REQUEST.

Definitions: ND-not detected; NEG-negative: POS-positive: COL-colonies; PQL-practical quanitation level: L/A-laboratory accident: TNTC-too numerous to count

A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

Allen D. Schopbach, President

- 1 -

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1205 INDUSTRIAL HIGHWAY • P.O. BOX 514 • SOUTHAMPTON, PA 18966-0514 • (215) 355-3900 ANALYTICAL DATA REPORT PACKAGE

FOR

CLAYTON SERVICES CORPORATION

Field	Laboratory	Date of
Sample ID	Sample ID	Collection
DISCHARGE-1 H20	L238723-1	07/03/97

Certification No.

PADEP No. 09-131 NJDEP No. 77166



Inv. No: 119078



Analytical Results

07/28/97 03:35pm

Regarding:

P.O. No:

PWSID No:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

MICHAEL WILLIAMS
CLAYTON SERVICES CORPORATION
3003 HARVARD DRIVE
NORTH WALES, PA 19454

ACCOUNT NO: B00111, CLAYTON SERVICES CORPORATION Project No: B00111, CLAYTON SERVICES CORPORATION

Sample Number

Sampled by

Sample Description Samp. Date/Time/Temp

L238723-1 DISCHARGE-1 H20

07/03/97 11:00am NA°F Customer Sampled

SCHARGE-1 H20

Parameter	Method	Result	PQL	Test Date
DICHLORODIFLUOROMETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
CHLOROMETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
VINYL CHLORIDE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
BROMOMETHANE -	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
CHLOROETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
TRICHLOROFLUOROMETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	D 7/16/97
1,1-DICHLOROETHENE	EPA Method 8021A	ND ug/l	0.500 u g/l	07/16/97
METHYLENE CHLORIDE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
TRANS-1,2-DICHLOROETHENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,1-DICHLOROETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
2,2-DICHLOROPROPANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
CIS-1,2-DICHLOROETHENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
CHLOROFORM	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
BROMOCHLOROMETHANE	EPA Method 8021A	ND ug∕l	0.500 ug/l	07/16/97
1,1,1-TRICHLOROETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/ 9 7
1,1-DICHLOROPROPENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
CARBON TETRACHLORIDE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,2-DICHLOROETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
TRICHLOROETHENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,2-DICHLOROPROPANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
BROMOD I CHLOROMETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
DIBROMOMETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
CIS-1,3-DICHLOROPROPENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
TRANS-1,3-DICHLOROPROPENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,1,2-TRICHLOROETHANE	EPA Method 8021A	ND ug∕l	0.500 ug/l	07/16/97
1,3-DICHLOROPROPANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
TETRACHLOROETHENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
DIBROMOCHLOROMETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,2-DIBROMOETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,1,1,2-TETRACHLOROETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
BROMOFORM	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,1,2,2-TETRACHLOROETHANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,2,3-TRICHLOROPROPANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
1,2-DIBROMO-3-CHLOROPROPANE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97
BELIDENE				

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL.

QC Inc's laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CT,DE,and MD upon request.

Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; PQL=practical quanitation level; L/A=laboratory accident; TNTC=too numerous to count.

A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

ND ug/l

ND ug/l

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Atlen D. Schanbach, ?cosidont

07/16/97

07/16/97

QC INC. • 1205 INDUSTRIAL BLVD. • P.O. BOX 514 • SOUTHAMPTON, PA 18966-0514 • (215) 355-3900

VINELAND DIVISION VINELAND, NJ (609) 563-0101

BENZENE

TOLUENE

MAE MALLOY DIVISION WILDWOOD, NJ (609) 522-9000

EPA Method 8021A

EPA Method 8021A

RITCHESON DIVISION PITMAN, NJ (609) 582-1919

0.500 ug/l

0.500 ug/l

AMBLER DIVISION

|/14/2015 3:10:47 PM



07/28/97 03:35pm

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Account No: B00111, CLAYTON SERVICES CORPORATION Project No: B00111, CLAYTON SERVICES CORPORATION

P.O. No: PWSID No:

Inv. No: 119078

Sample Number Sample Description Samp. Date/Time/Temp Sampled by

L238723-1 DISCHARGE-1 H20 07/03/97 11:00am NA°F Customer Sampled

Parameter	Method	Result	PQL	Test Date	
CHLOROBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
ETHYL BENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
M/P-XYLENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
O-XYLENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
STYRENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
I SOPROPYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
N-PROPYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
BROMOBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
1,3,5-TRIMETHYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
2-CHLOROTOLUENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
4-CHLOROTOLUENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
TERT-BUTYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
1,2,4-TRIMETHYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
SEC-BUTYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
PARA-ISOPROPYLTOLUENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
1,3-DICHLOROBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
1,4-DICHLOROBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
N-BUTYLBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
1,2-DICHLOROBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
1,2,4-TRICHLOROBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
HEXACHLOROBUTAD I ENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
NAPHTHALENE	EPA Method 8021A	ND ug/l	0.500 աց/լ	07/16/97	
1,2,3-TRICHLOROBENZENE	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
METHYL JERTIARY BUTYLETHER	EPA Method 8021A	ND ug/l	0.500 ug/l	07/16/97	
TERTIARY BUTYL ALCOHOL	EPA Method 602	ND ug/l	0.500 ug/l	07/17/97	

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL. QC Inc's laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CT,DE,and MD upon request. Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; PQL=practical quanitation level; L/A=laboratory accident; TNTC=too numerous to count. A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

- 2 -

Juden D. Sonanthrin, Medica-

MAE MALLOY DIVISION WILDWOOD, NJ (609) 522-9000 RITCHESON DIVISION

AMBLER DIVISION

PITMAN, NJ (609) 582-1919 1/14/2015 3:16:49 PM

Lab Name/Code : QC Inc./77166	CONTRACT : Clayton	L238723-1
Lab Sample ID : Method Blank	Sample No:Metho	d Blank
Matrix : Water	Date Received	
	Date Analyzed	: 07/1
	Dilution Factor	:1.
Level (low/med) : Low	Lab File (Confirm-Ha	
Lab File (Primary-Hall) : CG15002	— ··	
Lab File (Primary-PID) : DG15002	Lab File (Confirm-P)	rn) :
Column : 105M x 0.53mm V	ocol	
CAS NO. COMPOUND	POL RESULT	© .
	(ug/L) (ug/L)	_
•		, "
. 1	1	ı
1 75-71-8Dichlorodifluoromethane1	<u>0.5 1 0.5 1</u>	บเ
74-87-3Chloromethane	0.5 0.5	<u>u</u> 1
1 75-01-4Vinyl Chloride	0.5 0.5	<u> </u>
1 74-83-9Bromomethane	0.5 0.5	<u>U</u> I
75-00-3Chloroethane	0.5 I 0.5 I	<u>U</u> I
	0.5 0.5	บเ
75-35-41,1-Dichloroethene	0.5 0.5	ו ט
•	0.5 0.5	U I
1 156-60-5trans-1, 2-Dichloroethenel		U
· · · · · · · · · · · · · · · · · · ·	0.5 0.5	<u> </u>
1 75-34-31,1-Dichloroethane	0.5 1 0.5 1	<u>υ</u> ,
1 590-20-72, 2-Dichloropropane		
1 156-59-4cis-1, 2-Dichloroethene		
67,-66-3Chloroform	<u>0.5 0.5 </u>	
1 74-97-5Bromochloromethane	0.5 0.5	
71-55-61,1,1-Trichloroethane	0.5 0.5	
563-58-61,1-Dichloropropene	<u>0.5 1 0.5 1</u>	<u>u</u> 1
56-23-5Carbon Tetrachloride	<u> 0.5 1 0.5 1</u>	<u>U</u> I
107-06-21, 2-Dichloroethane	<u>0.5 1 0.5 1</u>	<u>U</u> I
79-01-6Trichloroethene	<u> 0.5 0.5 </u>	<u> </u>
	0.5 1 0.5 1	<u>U</u> I
1 75-27-4Bromodichloromethane	0.5 0.5	บเ
1 74-95-3Dibromomethane	0.5 0.5	ับ เ
	0.5 1 0.5 1	UI
10061-02-6-trans-1,3-Dichloropropene	0.5 0.5	UI
		UI
1 79-00-51,1,2-Trichloroethane	0.5 1 0.5 1	U I
1 142-28-91, 3-Dichloropropane	·	u l
127-18-4Tetrachloroethene	·	
124-48-1Dibromochloromethane	0.5 0.5	
106-93-41, 2-Dibromoethane	1 0.5 1 0.5 1	
630-20-61,1,1,2-Tetrachloroethane	1 0.5 1 0.5 1	
l 75-25-2Bromoform	l <u>0.5 l 0.5 l</u>	<u> </u>
1 79-34-51, 1, 2, 2-Tetrachloroethane	1 <u>0.5 1 0.5 1</u>	<u>U</u> I
1		F

			*			
Lab Name/Code : QC Inc./77166	CONTRACT	: <u>Clayt</u>	on L23872	3-1		
Lab Sample ID : Method Blank	Sample N	lo: <u>Met</u>	hod Blank			
Matrix : Water	Date Received :					
						
Bampac	Dilution		: <u>Ø</u> :			
Level (low/med) : Low		· (Confirm-				
Lab File (Primary-Hall) : CG15002		e (Confirm-				
Lab File (Primary-PID) : DG15002		5 (COULTIN				
Column : 105M x 0.53mm VC	CUL					
CAS NO. COMPOUND	PQL.	RESULT	Q			
CRS No. Gom Gomb	(ug/L)	(ug/L)				
	l	1	1 1			
96-18-41, 2, 3-Trichloropropane	0.5	0.5	<u> </u>			
1 96-12-81, 2-Dibromo-3-Chloropropane_	,	0.5	<u> </u>			
71-43-2Benzene		0.5	<u>l U</u> l			
108-88-3Toluene	0.5	0.5	<u> </u>			
1 108-90-7Chlorobenzene	0.5	0.5	<u> </u>			
1 100-41-4Ethylbenzene	0.5	0.5	1 11 1			
para/meta-Xylene	0.5	0.5	ı u ı			
95-47-6ortho-Xylene		0.5	I U I			
100-42-5Styrene		1 , 0.5	ו ט ו			
	1 0.5	0.5	וטו			
1 104-51-8n-Propylbenzene	1 0.5	0.5	1 U 1			
108-86-1Bromobenzene	0.5	ı 0.5	i U I			
1 108-67-81, 3, 5-Trimethylbenzene	1 0.5	0.5	I U I			
95-49-82-Chlorotoluene	0.5	0.5	וטו			
1 106-43-44-Chlorotaluene	0.5	0.5	l U I			
98-06-6tert-Butylbenzene	0.5	1 0.5	וטו	٠		
	0.5	0.5	ı u ı			
1 33 63 6 1,2,1 11111 11,1111 11,111	0.5	1 0.5				
98-82-8para-Isopropyltoluene		1 0.5				
	0.5	·	1 U 1			
106-46-71,4-Dichlorobenzene		1 0.5	1 11 1			
104-51-8n-Butylbenzene	1 0.5	1 0.5	<u> </u>			
95-50-11,2-Dichlorobenzene		0.5	<u> </u>			
120-82-11, 2, 4-Trichlorobenzene	1 0.5					
87-68-3Hexachlorobutadiene	0.5	0.5	<u> </u>			
91-20-3Naphthalene	1 0.5	1 0.5	<u> </u>			
1 87-61-61, 2, 3-Trichlorobenzene	l <u>0.5</u>	1 0.5	<u> </u>			
1634-04-4NTBE	1_0.5_	1 0.5	<u> </u>			
		Panent !	QC i			
I SURROGATE RECOVERY DATA	1	Percent I				
1		Recovery !		•		
1,4-Dichlorobutane (Hall)	·!_	103 I				
Bromochlorobenzene (Hall)		<u>93 l</u>				
Bromochlorobenzene (PID)		99 1	<u>60-130</u>			
1			ı			

Lab Name/Code : QC Inc./77166	CONTRACT : Clayton L238723-1	
Lah Sample ID : Method Blank	Sample No: Method Blank	
Matrix : Water	Date Received :	
Sample wt/vol : 5ml.	Date Analyzed : 07/16	197
· · · · · · · · · · · · · · · · · · ·	Dilution Fector : 1.0	
Lab File (Primary-Hall) : CG16002		
Lab File (Primary-PID) : DG16002		
Column : 105M x 0.53mm '	VULUL	
CAC NO COMPOUND	POL RESULT Q	
CAS NO. COMPOUND	(uq/L) (ug/L)	
	(ug/E/ (ug/E/	
1	1	
75-71-8Dichlorodifluoromethane	•	
·	1 0.5 1 0.5 1 U	
1 75-01-4Vinyl Chloride	1 0.5 1 0.5 1 U	
	1 0.5 0.5 U	
	1 0.5 1 0.5 1 U	
1 75-69-4Trichlorofluoromethane		
1 75-35-41,1-Dichloroethene		
	1 0.5 1 0.5 1 U 1	
156-60-5trans-1,2-Dichloroethene		
1 75-34-31,1-Dichloroethane	·	
75-34-31,1-Dichierdethane	1 0.5 1 0.5 1 11	
1 590-20-72, 2-Dichloropropane		
1 156-59-4cis-1,2-Dichloroethene		
67-66-3Chloroform		
	1 0.5 1 0.5 1 0 1	
71-55-61,1,1-Trichloroethane		
, <u> </u>	1 0.5 1 0.5 1 U	
56-23-5Carbon Tetrachloride		
1 107-06-21, 2-Dichloroethene		
79-01-6Trichloroethene	0.5 1 0.5 U	
78-87-51,2-Dichloropropane		
1 75-27-4Bromodichloromethane		
74-95-3Dibromomethane	1 <u>0.5 1 0.5 1 U</u> l	
10061-01-5-cis-1,3-Dichloropropene		
10061-02-6-trans-1,3-Dichloropropene	1 0.5 1 0.5 1 U I	
79-00-51,1,2-Trichloroethane	1 0.5 1 0.5 1 U 1	
1 142-28-91, 3-Dichloropropane	1 0.5 1 0.5 1 U 1	
1 127-18-4Tetrachloroethene	1 0.5 1 0.5 1 U I	
124-48-1Dibromochloromethane	1 0.5 1 0.5 1 11 1	
106-93-41, 2-Dibromoethane	1 0.5 1 0.5 1 U I	
630-20-61, 1, 1, 2-Tetrachloroethane	1 0.5 1 0.5 1 U I	
1 75-25-2Bromoform	1 0.5 1 0.5 1 U I	
1 79-34-51, 1, 2, 2-Tetrachloroethane	1 0.5 1 0.5 1 U	
1	1	

Lab Name/Code : QC Inc./77166	CONTRACT : Clayton L238723-1
Lab Sample ID : <u>Method Blank</u>	Sample No: <u>Method Blank</u>
w i i	Date Received :
Matrix : Water	
Sample wt/vol : Sml.	Date Analyzed : 07/16/97
Level (low/med) : Low	Dilution Factor : 1.0
Lab File (Primary-Hall) : CG16002	Lab File (Confirm-Hall) :
Lab File (Primary-PID) : DG16002	Lab File (Confirm-PID) :
Column : 105M x 0.53mm VC	OCOL
CAS NO. COMPOUND	POL RESULT O
CAS No. Com Comp	(ug/L) (ug/L)
1	
1 Of the A sect of Commence	. 0.5 1 0.5 1 U
1 96-18-41, 2, 3-Trichloropropane	
1 96-12-81, 2-Dibromo-3-Chloropropane_	
71-43-2Benzene	
108-88-3Toluene	1 0.5 1 0.5 1 11 1
108-90-7Chlorobenzene	1 <u>0.5 1 0.5 1 U</u> 1
! 100-41-4Ethylbenzene	1 0.5 1 0.5 1 0 1
para/meta-Xylene	1 <u>0.5 1 0.5 1 U 1</u>
95-47-6ortho-Xylene	1 0.5 1 0.5 1 U I
·	1 0.5 1 0.5 1 11 1
98-82-8Isopropylbenzene	1 <u>0.5 1 0.5 1 U</u> l
104-51-8n-Propylbenzene	
108-86-1Bromobenzene	1 <u>0.5 1 0.5 1 U</u> I
	1 <u>0.5 0.5 U</u>
95-49-82-Chlorotoluene	1 0.5 1 0.5 1 U I
	1 0.5 1 0.5 1 U
1 98-06-6tert-Butylbenzene	1 <u>0.5 0.5 U</u> 1
1 95-63-61, 2, 4-Trimethylbenzene	
l 135-98-8sec-Butylbenzene	
1 98-82-8para-Isopropyltoluene	· · · · · · · · · · · · · · · · · · ·
1 541-73-11,3-Dichlorobenzene	
1 106-46-71,4-Dichlorobenzene	
	. ^
1 104-51-8n-Butylbenzene	1 0.5 1 0.5 1 11
. 30 00 2 2/2 2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	
120-82-11, 2, 4-Trichlorobenzene	1 0.5 1 0.5 1 U
87-68-3Hexachlorobutadiene	1 0.5 1 0.5 1 11 1
91-20-3Naphthalene	1 0.5 1 0.5 1 U
87-61-61,2,3-Trichlorobenzene	1 0.5 1 0.5 1 11
1 1634-04-4MTBE	1 <u>0.5 0.5 U </u>
1 CURROCATE RECOVERY DATA	Percent QC
I SURROGATE RECOVERY DATA	
1	
1 1,4-Dichlorobutane (Hall)	111 60-130
Bromochlorobenzene (Hall)	

Lab Name/Code : QC Inc./77166	CONTRACT : Clayton L238723-1
Lab Sample ID : <u>Method Blank</u>	Sample No: Method Blank
Matrix : Water Sample wt/vol : 5ml Level (low/med) : low Lab File (Primary) : EG17004 Column : Supelcovax10/60	Date Received : 07/17/97 Date Analyzed : 07/17/97 Dilution Factor : 1.0 Lab File (Confirm) : 00 x 0.53mm
CAS NO. COMPOUND	POL RESULT O (ug/L)
75-65-0TBA	1
SURROGATE RECOVERY DATA	Percent QC
a, a, a-Trifluorotoluene	Recovery Limits 89 70-123

GAS CHROMATOGRAPHY VOLATILE SURROGATE RECOVERY DATA SHEET

	Lab Name/Code:	<u>ac</u>	Inc.	177	166	<u>_</u>		Cor	ntract	: Clayto	ın L238723-1
Date	Level:								Number Column	VOCC	DL/ x 0.53mm
D 4	5 01 mai,010:					7	3	(nstrum	ent ID	: <u>HP589</u>	A012E-06
ŧ								Con			Total
	Sample Number	t (+	#) 1	(#)	 - -	(#)	1 - 1 -	Added :	ug/L 1	Other	Out
	Method Blank	1 16	23 I	93		99	i	30	i		<u>. i </u>
1	L238721-9 MS			103	1	125	1	30	1		<u> </u>
1	L238721-9 MSD					107		30			1 1
1	20ppb Check St				1	96	1	30	1		<u> </u>
		1	1		ī		1		1		<u> </u>
ı		1	1				1		1		<u> </u>
i		ī	Ī		1		1_		1		<u> </u>
1		1	1		- 1		1		1		11
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ŀ		1	ı		ı		1				11
			_1		ı		1				1
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ļ	l				1						<u> </u>
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† 1	l						_1		1		<u> </u>
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1	l	1	1				1				
					1				<u>l</u>		1
	1	1									<u> </u>
	# Cc	lumn	to	be u	ıse	d to	£	lag rec	overy	values	

Column to be used to flag recovery values
* Values outside of Method QC Limits

List Sur	rogates Below:		WC Limits
S1:	1,4-Dichlorobutane	(Hall)	60-130
_	Bromochlorobenzene		60-130
53:	Bromochlorobenzene	(PID)	60-130

GAS CHROMATOGRAPHY VOLATILE SURROGATE RECOVERY DATA SHEET

	Lab Name/Code:	OC Ir	nc. /77	166		Contract:	Clayton	L238723-1
	Level:		Low			Case Number: GC Column:	VOCOL.	
Date	s of Analysis:		7 /16. 7 /16.		1	nstrument ID:		
! !	Sample Number					Conc Added ug/L		Total Out
! !	Method Blank L238723-1		1 102		3 1	30 1		!! !!
! !		1	! !	1	1			<u>t</u> 1 1 1 1
I I		1	1	 	1	1		! ! !
t 1		1	<u> </u>	1 1	1	<u> </u>		<u> </u>
!		1	1	1 1	1			1 1 1 1
•		1	<u> </u>	l l				
; ;		1	1	1	1	1		<u>i</u>
	# C-	1 4				1	es luca	

Column to be used to flag recovery values* Values outside of Method QC Limits

List Surrogates Below:	ec cimits
S1: 1,4-Dichlorobutane (Hall)	60-130
S2: Bromochlorobenzene (Hall)	60-130
S3: Bromochlorobenzene (PID)	60-130

GAS CHROMATOGRAPHY VOLATILE SURROGATE RECOVERY DATA SHEET

Lab Name/Code:	QC Inc./77166	Contract:	Clayton L238723-1
		Case Number:	
Level:	Low	GC Column:	Supelcowax10/ 60M x 0.53mm
Dates of Analysis:	From <u>07/17/97</u> To <u>07/17/97</u>	Instrument ID:	Varian 3300-5651

S 1				•			
Method Blank 89 30	1	S 1	1	5 2	I Conc I		Total
L238723-1	Sample Number	(#)	1	(#)	Added ug/L	Other	Out
L238723-1 87 30 L241038-2 NS 92 30	Method Blank	89	! !		1 30 <u>l</u>		t
		87	ı		1 30 1		1
L241038-2 MSD 94 30		92	1		1 30 1		1
	L241038-2 NSD I	94	1		1 30 1	·	1
			1		1 1		1
			Į.				1
	1		<u> </u>		<u> </u>		<u> </u>
			<u>i</u>		1 1		
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	,	<u> </u>			<u> </u>		<u> </u>
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		<u> </u>			1		
			<u></u>				1
		<u> </u>	<u> </u>				
	· · · · · · · · · · · · · · · · · · ·	! <u> </u>			<u> </u>		1

Column to be used to flag recovery values
* Values outside of Method QC Limits

List Surrogates Below:	U C Limits
S1: a,a,a-Trifluorotoluene	70-123
S2:	
Other:	

VOLATILE LABORATORY MATRIX SPIKE SUMMARY

Lab ID:

L238721-9

Sample ID: Matrix Spike/Spike Duplicate
Analysis Date: 07/15/97

Client: Clayton L238723-1

Matrix:

water Lab Files: C/DG15007

C/DG15008

Instrument ID:	HP5890-3110A					C/DG15008			
	1	MS	MSD	SAMPLE	MS	MSD		%REC	RSD
CAS NO.	COMPOUND	CONC	CONC	CONC	%REC #	%REC #	RSD	# LIMITS	LIMITS
75-71-8	Dichlorodifluoromethane	8.56	4.84	0.00	86	48 *	39	* 60 - 13	
74-87-3	Chloromethane	7.95	9.10	0.00	80	91	9.5	60 - 13	
75-01-4	Vinyl Chloride	11.70	12.60	0.00	117	126	5.2	60 - 13	
74-83-9	Bromomethane	7.13	7.39	0.00	71	74	2.5	60 - 13	
75-00-3	Chloroethane	9.73	10.00	0.00	97	100	1.9	60 - 13	
75-69-4	Trichlorofluoromethane	9.27	10.00	0.00	93	100	5.4	60 - 13	1
75-35-4	1,1-Dichloroethene	9.62	10.10	0.00	96	101	3.4	60 - 13	I
75-09-2	Methylene Chloride	11.20	11.10	0.00	112	111	0.6	60 - 13	
156-60-5	trans-1,2-Dichloroethene	10.20	10.70	0.00	102	107	3.4	60 - 13	
75-34-3	1,1-Dichloroethane	9.26	10.20	0.00	93	102	6.8	60 - 13	
590-20-7	2,2-Dichloropropane	7.02	7.55	0.00	70	76	5.1	60 - 13	
156-59-4	cis-1,2-Dichloroethene	7.69	8.61	0.00	77	86	8.0	60 - 13	
67-66-3	Chloroform	8.22	9.25	0.00	82	93	8.3	60 - 13	
74-97-5	Bromochloromethane	9.86	10.50	0.00	99	105	4.4	60 - 13	l
71-55-6	1,1,1-Trichloroethane	9.85	10.30	0.00	99	103	3.2	60 - 13	0 20
563-58-6	1,1-Dichloropropene	10.00	10.30	0.00	100	103	2.1	60 - 13	1
56-23-5	Carbon Tetrachloride	11.10	11.60	0.00	111	116	3.1	60 - 13	
107-06-2	1,2-Dichloroethane	11.60	12.10	0.00	116	121	3.0	60 - 13	1
79-01-6	Trichloroethene	10.90	11.40	0.00	109	114	3.2	60 - 13	
78-87-5	1,2-Dichloropropane	9.98	9.81	0.00	100	98	1.2		30 20
75-27-4	Bromodichloromethane	10.90	10.50	0.00	109	105	2.6	60 - 13	30 20
74-95-3	Dibromoethane	10.40	10.30	0.00	104	103	0.7		30 20
10061-01-5	cis-1,3-Dichloropropene	10.90	11.00	0.00	109	110	0.6		30 20
1,0061-02-6	trans-1,3-Dichloropropene	11.30	11.40	0.00	113	114	0.6		30 20
79-00-5	1,1,2-Trichloroethane	11.70	12.30	0.00	117	123	3.5	60 - 1:	30 20
142-28-9	1,3-Dichloropropane	10.40	10.60	0.00	104	106	1.3	60 - 13	30 20
127-18-4	Tetrachloroethene	10.40	10.60	0.00	104	106	1.3	60 - 13	30 20
124-48-1	Dibromochloromethane	11.20	10.70	0.00	112	107	3.2	60 - 1	30 20
106-93-4	1,2-Dibromomethane	11.70	11.90	0.00	117	119	1.2	60 - 1	30 20
630-20-6	1,1,1,2-Tetrachloroethane	10.90	11.60	0.00	109	116	4.4	60 - I	30 20
75-25-2	Bromoform	10.80	11.30	0.00	108	113	3.2	60 - 1	30 20

VOLATILE LABORATORY FORTIFIED BLANK SUMMARY

Lab ID:

L238721-9

Client:

Clayton L238723-1

Sample ID:

Matrix Spike/Spike Duplicate

Matrix: water C/DG15007

Analysis Date: 07/15/97

Lab Files:

Instrument ID: HP5890-3110A

C/DG15008

Instrument ID:	HP3890-3110A	1 1/0 1	N (CD)	CANDUC	MS		MSD			%REC	RSD
		MS	MSD	SAMPLE		#	MSD #	RSD	#	LIMITS	LIMITS
CAS NO.	COMPOUND	CONC	CONC	0.00	127	#	132 *	2.7	#	60 - 130	20
79-34-5	1,1,2,2-Tetrachloroethane	12.70	13.20	0.00	121	+	127	3.4		60 - 130	20
96-18-4	1,2,3-Trichloropropane	12.10	12.70		115	+	135 *	11			20
96-12-8	DBCP	11.50	13.50	0.00	90	4	93	2.1		60 - 130 60 - 130	20
71-43-2	Benzene	9.04	9.31	0.00		Ļ					
108-88-3	Toluene	9.69	9.75	2.28	74	4	75	0.6		60 - 130	20
108-90-7	Chlorobenzene	9.41	9.55	0.00	94	4	96	1.0		60 - 130	20
100-41-4	Ethylbenzene	9.93	9.70	0.85	91	4	89	1.8		60 - 130	20
	para/meta-Xylene	21.40	20.20	3.56	89	_	83	4.9		60 - 130	20
95-47-6	ortho-Xylene	10.50	9.94	1.59	89 .		84	4.6		60 - 130	20 -
100-42-5	Styrene	10:20	9.93	0.00	102		99	1.9		60 - 130	20 ·
98-82-8	lsopropylbenzene	9.72	9.74	0.00	97		97	0.1		60 - 130	20
104-51-8	n-Propylbenzene	10.40	10.00	0.00	104		100	2.8		60 - 130	20
108-86-1	Bromobenzene	9.85	9.78	0.00	99	П	98	0.5		60 - 130	20
108-67-8	1,3,5-Trimethylbenzene	10.20	9.82	0.00	102	Ī	98	2.7		60 - 130	20
95-49-8	2-Chlorotoluene	10.60	10.30	0.00	106		103	2.0		60 - 130	20
106-43-4	4-Chlorotoluene	10.70	9.87	0.00	107	╗	99	5.7		60 - 130	20
98-06-6	tert-Butylbenzene	12.80	10.70	0.00	128		107	13		60 - 130	20
95-63-6	1,2,4-Trimethylbenzene	15.30	12.00	6.47	88	٦	55 *	32	*	60 - 130	20
135-98-8	sec-Butylbenzene	10.10	11.50	0.00	101	٦	115	9.2		60 - 130	20 .
98-82-8	para-Isopropyltoluene	10.00	10.70	0.00	100	ī	107	4.8		60 - 130	20
541-73-1	1,3-Dichlorobenzene	9.72	10.10	0.00	97	╗	101	2.7		60 - 130	20
106-46-7	1,4-Dichlorobenzene	9.75	9.86	0.00	98		99	0.8		60 - 130	20
104-51-8	n-Butylbenzene	12.50	11.40	0.00	125		114	6.5		60 - 130	20
95-50-1	1,2-Dichlorobenzene	11.60	9.72	0.00	116		97	12		60 - 130	20
120-82-1	1,2,4-Trichlorobenzene	12.20	12.10	0.00	122		121	0.6		60 - 130	20
87-68-3	Hexachlorobutadiene	11.10	11.90	0.00	111		119	4.9		60 - 130	20
91-20-3	Naphthalene	22.40	12.70	10.20	122	_	25 *	93	*	60 - 130	20
1634-04-4	MTBE	10.10	10.50	0.00	101		105	2.7		60 - 130	20
87-61-6	1,2,3-Trichlorobenzene	10.60	11.20	0.00	106		112	3.9		60 - 130	20
SURROGATE RECOVERY DATA				ECOVERY	·		QC LI	MITS			-
									•		1
1,4-Dichlorobu	itane (Hall)	MS	116	MSD	118		60 -	130			
Bromochlorobe	enzen e (Hall)	MS	103	M\$D	97		60 -	130			
Bromochlorob	enzene (PID)	MS	125	MSD	107		60 -	130			

RPD: 3 out of 60 outside limits

Spike Recovery: 5 out of 120 outside limits Results normalized to a base factor of 1 from a 1:5 dilution.

VOLATILE LABORATORY CHECK STANDARD

Lab ID:

10ppb Check Standard

Client:

Clayton

Sample ID:

10ppb Check Standard 07/16/97

L238723-1 Water

Analysis Date:

Matrix: Lab File:

C/DG15016

Instrument ID:

HP5890-3310A

msuument ib.	111 3070-331013						
		CHECK	CONC	CHECK		%RI	EC
CAS NO.	COMPOUND	CONC	ADDED	%REC	#	LIMI	TS
75-71-8	Dichlorodifluoromethane	8.92	10.00	89		60 -	130
79-34-5	1,1,2,2-Tetrachloroethane	11.80	10.00	118		60 -	130
96-12-8	DBCP	11.00	10.00	110		60 -	130
95-63-6	1,2,4-Trimethylbenzene	9.44	10.00	94		60 -	130
91-20-3	Naphthalene	9.77	10.00	98		60 -	130
ŞU	RROGATE RECOVERY DATA		%RECOV	ERY			-
1,4-Dichlorobutane(Hall)			111	<u></u>		60 -	130
Bromochlorobenzene(Hall)			104			60 -	130

Recovery: 0 out of 11 outside limits.

Bromochiorobenzene(PID)

Concentrations are ug/l. &=Result Incalcutable. Z=Limits not yet established, #=Column used to flag recoveries.

60 - 130

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY 602

Lab ID: Sample ID: L241038-2

Client: Clayton L238723-1

Matrix Spike/Spike Duplicate

Matrix:

Water

Analysis Date: 0

07/17/97

Lab Files:

EG17015

Instrument ID:

Varian 3300-5651

EG17016

insurancii id.	4 WILWI 2200-2021									_		
	1	MS	MSD	SAMP	MS	Т	MSD				%REC	RPD
CAS NO.	COMPOUND	CONC	CONC	CONC	%REC #	#	%REC	#	RPD	#	LIMITS	LIMITS
75-65-0	- TBA	38.20	40.70	1.52	92	1	98		6.6		60 - 140	20
<u> </u>	RECOVERY DATA		%RE	COVERY		Т	QC	LIN	MITS		·	
a,a,a-Trifluorotolu	enc	MS:	92	MSD:	94	1	(70	- (123)			
	8 8-6 Tali	أحلمه لمدامه ملأسة	Siebed ##Colu	no used to flee r	ecovenes.							

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

Concentrations are ugil. &=Result incalculable. Z=Limits not yet established. #=Column used to flag recoveries.

,		DEC. NO. HERR FOO	18956-0514 355-3900 355-7231 105 TAX 315	CHAIN OF Page CarrierA Sample Ship	Waybill No. omient Date order No. /Phone No.	Y RECORD	:	Lab Samp (FOR LAB US) Bill to: Clay Report to:	SE ONLY)	s Cap
	Field Identification	Sample Description / Type	Date/Time Collected	Sample Container No./Type/Volume	Preser- vative	i	alysis Reque		Condition on Receipt	Log in No.
	Bisch-1	Hao Dircharge	7/3/97	(3) 40 AD VOA	HcL	8021 A TO INC	DE NAPIL	MITBE, TBA.		_
		ASAP						# 3 ABP VINA — Nitric pH — — Covertie pH — HC1 pH — H2S04 pH — H2S04 pH — Unpreserved —	-Netrite CN ON Netropou Pa	334
	Turnaround Time Possible Hazard	eliminary Report/ e Required (Hours/Day I Identification:	Fina /Si;	Deliverables /	USE	iverables: Routine Reports CLP D Reduced D Sample Disposal:	Tier (O Philos PA DA JEL	Project Specific O	allvernbles 🗀 :
_	Non-hazard ☐ 1. Relinquished by	: 104 H	niterit 🗆 Pr	Date: 7/3/97	1. Re-	ceived by:	100/4	, <u>,</u> \	Date: 7/3/9	7
1/14/2015	(Signature/Affiliation 2. Refinguished			Time:	2. Re	ure/Affiliation) — o			Date: 7-9	
7	(Signature/Atfiliation	1 Cooler	(ت ٧	Time:		man to the second of the secon	Clem HE			8-97
2	3. Relinquished ((Signature/Alfiliation		15.0	Time:4 4 5 4 14		ceived by: wo(Affiliation)	#11/2	•	time.	95
	4. Relinguished		<i></i>	Date:	4. Be	ceived by: 1478	Kilo as		Date: 2]
بب	(Signature/Alfiliation		A	Time:		ure:Affiliation (CVIII)	1100xx		Time: ぱゅょこ Date:	ين ٽِ
1:02	5. Relinquished t (Signature/Affiliation			Date:		ceived by: orc/Affiliation)			Time;	
32 PM		cial Instructions: $P\chi$	•••		2-18		liens/Eickl Rens	esentatival	-	ÇT

GOPIES: White (Final Report) Yellow (QA Office) Pink (Sample Custorly) Gold (Client/Field Representative)



1205 INDUSTRIAL HIGHWAY • P.O. BOX 514 • SOUTHAMPTON, PA 18966-0514 • (215) 355-3900 ANALYTICAL DATA REPORT PACKAGE

FOR

CLAYTON SERVICES CORPORATION

Field Sample ID	Laboratory Sample ID	Date of Collection
HERR FOODS INC SP-COMP-1 SOIL	L238722-1	07/03/97
SP-COMP-2 SOIL	L238722-2	07/03/97

Certification No.

PADEP No. 09-131 NJDEP No. 77166



07/28/97 02:54pm

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Account No: B00111, CLAYTON SERVICES CORPORATION Project No: B00111, CLAYTON SERVICES CORPORATION

P.O. No: PWSID No: Inv. No: 119077

Sample Number Sample Description

Samp. Date/Time/Temp

L238722-1 HERR FOODS INC SP-COMP-1 SOIL 07/03/97 11:00am NA°F

Customer Sampled Sampled by

Parameter	Method	Result	PQL	Test Date
SILVER-TCLP	SW846 Method 6010	ND mg/l	0.500 mg/t	07/11/97
ARSENIC-TCLP	SW846 Method 6010	ND mg/l	0.500 mg/l	07/11/97
BARIUM-TCLP	SW846 Method 6010	ND mg/l	10.0 mg/L	07/11/97
CADMIUM-TCLP	SW846 Method 6010	ND mg/l	0.100 mg/l	07/11/97
CHROMIUM-TCLP	SW846 Method 6010	ND mg/l	0.500 mg/l	07/11/97
LEAD-TCLP	SW846 Method 6010	ND mg/l	0.100 mg/l	07/11/97
'SELENIUM-TCLP	SW846 Method 6010	ND mg/l	0.400 mg/l	07/11/97
MERCURY-TCLP	SW846 Method 7470	ND mg/l	0.0200 mg/l	07/14/97
DIESEL RANGE ORGANICS	API Method Rev 2	45.8 mg/kg DRY	5.94 mg/kg	07/11/97
GASOLINE RANGE ORGANICS	API Method Rev 5	52.6 mg/kg DRY	5.94 mg/kg	07/10/97
AROCLOR-1016	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	07/14/97
AROCLOR-1221	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	07/14/97
AROCLOR-1232	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	07/14/97
AROCLOR-1242	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	0 7/14/9 7
AROCLOR-1248	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	07/14/97
ARDCLOR-1254	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	07/14/97
AROCLOR-1260	EPA Method 8080	ND mg/kg DRY	0.0357 mg/kg	07/14/97
CHLOROMETHANE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
VINYL CHLORIDE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
BROMOMETHANE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
CHLOROETHANE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
1,1-DICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
ACETONE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/ 9 7
CARBON DISULFIDE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
METHYLENE CHLORIDE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
TRANS-1,2-DICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/ 9 7
ACROLEIN	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
ACRYLONITRILE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
1,1-DICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
VINYL ACETATE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
CIS-1,2-DICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
Z-BUTANONE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
CHLOROFORM	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
1,1,1-TRICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
CARBON TETRACHLORIDE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
BENZENE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
DE17E4114		- - -	=	

A result of "MD" indicates the concentration of the analyte tested was either not detected or below the PQL. QC Inc's Laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CT,DE, and MD upon request. Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; POL=practical quantitation level; L/A=laboratory accident; TNTC=too numerous to count.

A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

- 1 -

Allen D. Schnibsch, Pregistere

VINELAND DIVISION VINELAND, NJ (609) 563-0101

MAE MALLOY DIVISION WILDWOOD, NJ (609) 522-9000

QC INC. • 1205 INDUSTRIAL BLVD. • P.O. BOX 514 • SOUTHAMPTON, PA 18966-0514 • (215) 355-3900 RITCHESON DIVISION PITMAN, NJ (609) 582-1919 1/14/20

AMBLER DIVISION



07/28/97 02:54pm

Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Account No: B00111, CLAYTON SERVICES CORPORATION Project No: B00111, CLAYTON SERVICES CORPORATION

P.O. No: PWSID No: Inv. No: 119077

Sample Number Sample Description Samp. Date/Time/Temp Sampled by

L238722-1 HERR FOODS INC SP-COMP-1 SOIL 07/03/97 11:00am NA°F Customer Sampled

Parameter	Method	Result	PQL	Test Date
1,2-DICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
TRICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
1,2-DICHLOROPROPANE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
BROMODICHLOROMETHANE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
2-CHLOROETHYL VINYL ETHER	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
CIS-1,3-DICHLOROPROPENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
4-METHYL-2-PENTANONE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
TOLUENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
TRANS-1,3-DICHLOROPROPENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
1,1,2-TRICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
TÉTRACHLOROETHENE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
2-HEXANONE	EPA Method 8260	ND ug/kg DRY	11.9 ug/kg	07/09/97
DIBROMOCHLOROMETHANE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
CHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
ETHYL BENZENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
M&P-XYLENES	EPA Method 8260	ND ug/kg DRY	2.38 ug/kg	07/09/97
O-XYLENE	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
STYRENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
BROMOFORM .	EPA Method 8260	ND ug/kg DRY	1.19 ug/kg	07/09/97
1,1,2,2-TETRACHLOROETHANE	EPA Method B260	ND ug/kg DRY	1.19 ug/kg	07/09/97
1,3-DICHLOROBENZENE	EPA Method B260	ND ug/kg DRY	5.94 ug/kg	07/09/97
1,4-DICHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
1,2-DICHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	5.94 ug/kg	07/09/97
NONE FOUND	EPA 8260 Library Search	ND ug/kg		07/09/97
TCLP EXTRACTION	SW846 Method 1311	COMPLETED		07/08/97
PAINT FILTER TEST	SW846 Method 9095	NEG		07/08/97
CYANIDE REACTIVE	SW846 Method 7.3.3.2	ND mg/kg	5.00 mg/kg	07/09/97
REACTIVE HYDROGEN SULFIDE	SW846 Method 7.3.4.2	ND mg/kg	5.00 mg/kg	07/09/97
FLASH POINT/IGNITABILITY	ASTM D 4982-89	>141 Deg. F		07/09/97
MOISTURE PERCENT	SID Methods 18th Ed. 2540	15.86 %	0.01000 %	07/08/97
TOTAL SOLIDS PERCENT	STD Methods 18th Ed. 2540	84.14 %	0,01000 %	07/08/97

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL.
QC Inc's laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CI,DE,and MD upon request.
Definitions: ND=not detected; NEG=negative; POS=positive; CDL=colonies; PQL=practical quantitation level; L/A=laboratory accident; TNTC=too numerous to count.

A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

- 2 -

Allen D. Schonhoch, President



07/28/97 02:54pm

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Account No: B00111, CLAYTON SERVICES CORPORATION Project No: B00111, CLAYTON SERVICES CORPORATION

P.O. No: PWSID No: Inv. No: 119077

Sample Number Sample Description

SP-COMP-2 SOIL 07/03/97 11:00am NA°F Samp. Date/Time/Temp

Sampled by

Customer Sampled

Parameter	Method	Result	PQL	Test Date
SILVER-TCLP	SW846 Method 6010	ND mg/l	0.500 mg/l	07/11/97
ARSENIC-TCLP	SW846 Method 6010	ND mg/l	0.500 mg/l	07/11/97
BARIUM-TCLP	SW846 Method 6010	ND mg/l	10.0 mg/l	07/11/97
CADMIUM-TCLP	SW846 Method 6010	ND mg/l	0.100 mg/l	07/11/97
CHROMIUM-TCLP	SW846 Method 6010	ND mg/l	0.500 mg/l	07/11/97
LEAD-TCLP	SW846 Method 6010	ND mg/l	0.100 mg/l	07/11/97
SELENIUM-TCLP	SW846 Method 6010	ND mg/l	0.400 mg/l	07/11/97
MERCURY-TCLP	SW846 Method 7470	ND mg/l	0.0200 mg/t	07/14/97
DIESEL RANGE ORGANICS	API Method Rev 2	65.1 mg/kg DRY	6.56 mg/kg	07/11/97
GASOLINE RANGE ORGANICS	API Method Rev 5	107. mg/kg DRY	6.56 mg/kg	07/10/97
AROCLOR-1016	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
AROCLOR-1221	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
AROCLOR-1232	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
AROCLOR-1242	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
AROCLOR-1248	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
AROCLOR-1254	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
AROCLOR - 1260	EPA Method 8080	ND mg/kg DRY	0.0393 mg/kg	07/14/97
CHLOROMETHANE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
VINYL CHLORIDE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
BROMOMETHANE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
CHLOROETHANE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
1,1-DICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
ACETONE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
CARBON DISULFIDE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
METHYLENE CHLORIDE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
TRANS-1,2-DICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
ACROLE I N	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
ACRYLONITRILE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
1,1-DICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
VINYL ACETATE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
CIS-1,2-DICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
2-BUTANONE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
CHLOROFORM	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
1,1,1-TRICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
CARBON TETRACHLORIDE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
BENZENE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL.

QC Inc's laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CT,DE,and MD upon request.

Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; PQL=practical quanitation level; L/A=laboratory accident; TNTC=too numerous to count. A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

- 3 -

QC INC. • 1205 INDUSTRIAL BLVD. • P.O. BOX 514 • SOUTHAMPTON, PA 18966-0514 • (215) 355-3900

VINELAND DIVISION VINELAND, NJ (609) 563-0101

MAE MALLOY DIVISION WILDWOOD, NJ (609) 522-9000 RITCHESON DIVISION



07/28/97 02:54pm

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Account No: B00111, CLAYTON SERVICES CORPORATION Project No: B00111, CLAYTON SERVICES CORPORATION

P.O. No: PWSID No: Inv. No: 119077

Sample Number Sample Description Samp. Date/Time/Temp

SP-COMP-2 SOIL 07/03/97 11:00am NA°F Customer Sampled

Sampled by

Parameter	Method	Result	PQL	Test Date
1,2-DICHLOROETHANE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
TRICHLOROETHENE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
1,2-DICHLOROPROPANE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
BROMOD I CHLOROMET HANE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
2-CHLOROETHYL VINYL ETHER	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
CIS-1,3-DICHLOROPROPENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
4-METHYL-2-PENTANONE	EPA Nethod 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
TOLUENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
TRANS-1,3-DICHLOROPROPENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
1,1,2-TRICHLOROETHANE	EPA Method 8260	ND ug/kg DRY .	2.62 ug/kg	07/09/97
TETRACHLOROETHENE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
2-HEXANONE	EPA Method 8260	ND ug/kg DRY	13.1 ug/kg	07/09/97
DIBROMOCHLOROMET HANE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
CHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
ETHYL BENZENE	EPA Method 8260	ND ug/kg DRY	2.62 ug/kg	07/09/97
M&P-XYLENES	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
O-XYLENE			6.56 ug/kg	07/09/97
STYRENE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
BROMOFORM	EPA Method 8260	ND ug/kg DRY		
1,1,2,2-TETRACHLOROETHANE	EPA Method 8260	ND ug/kg DRY	1.31 ug/kg	07/09/97
1;3-DICHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
1,4-DICHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
1,2-DICHLOROBENZENE	EPA Method 8260	ND ug/kg DRY	6.56 ug/kg	07/09/97
UNKNOWN ALKANE-1	EPA 8260 Library Search	109. J ug/kg DRY		07/09/97
HEPTANE ?	EPA 8260 Library Search	184. NJ ug/kg DRY		07/09/97
UNKNOWN ALKANE-2	EPA 8260 Library Search	116. J ug/kg DRY		07/09/97
PENTANE, 2,3,4-TRIMETHYL-	EPA 8260 Library Search	224. NJ ug/kg DRY		07/09/97
UNKNOWN ALKANE-3	EPA 8260 Library Search	231. J ug/kg DRY		07/09/97
HEPTANE, 2-METHYL-	EPA 8260 Library Search	151. NJ ug/kg DRY		07/09/97
HEPTANE, 3-METHYL-	EPA 8260 Library Search	216. NJ ug/kg DRY		07/09/97
TRIMETHYLHEXANE ISOMER	EPA 8260 Library Search	135. J ug/kg DRY		07/09/97
UNKNOWN ALKANE-4	EPA B260 Library Search	. 159. J ug/kg DRY		07/09/97
UNKNOWN ALKANE-5	EPA 8260 Library Search	127. J ug/kg DRY		07/09/97
TRIMETHYLBENZENE ISOMER-1	EPA 8260 Library Search	134. J ug/kg DRY		07/09/97
ETHYLMETHYLBENZENE ISOMER	EPA 8260 Library Search	100. J ug/kg DRY		07/09/97

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL.
QC Inc's laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CT,DE,and MD upon request.
Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; PQL=practical quanitation level; L/A=laboratory accident; TNTC=too numerous to count.

A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

- 4 -

Allen D. Schopbach, President

QC INC. • 1205 INDUSTRIAL BLVD. • P.O. BOX 514 • SOUTHAMPTON, PA 18966-0514 • (215) 355-3900 VINELAND DIVISION RITCHESON DIVISION MAE MALLOY DIVISION

VINELAND, NJ (609) 563-0101

WILDWOOD, NJ (609) 522-9000

PITMAN, NJ (609) 582-1919 1/14/2015 3.1215076 P96

AMBLER DIVISION



Analytical Results

07/28/97 02:54pm

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Regarding:

MICHAEL WILLIAMS CLAYTON SERVICES CORPORATION 3003 HARVARD DRIVE NORTH WALES, PA 19454

Project No: BOO111, CLAYTON SERVICES CORPORATION

Account No: BO0111, CLAYTON SERVICES CORPORATION

P.O. No: PWSID No: Inv. No: 119077

Sample Number Sample Description L238722-2

Samp. Date/Time/Temp

SP-COMP-2 SOIL 07/03/97 11:00am NA°F

Sampled by Customer Sampled

Parameter	Method	Result	PQL	Test Date	
TRIMETHYLBENZENE ISOMER-2	EPA B260 Library Search	99.8 J ug/kg DRY		07/09/97	
ETHYLDIMETHYLBENZENE ISOMER-1	EPA B260 Library Search	103. J ug/kg DRY		07/09/97	•
ETHYLDIMETHYLBENZENE ISOMER-2	EPA 8260 Library Search	112. J ug/kg DRY		07/09/97	
TCLP EXTRACTION	SW846 Method 1311	COMPLETED		07/08/97	
PAINT FILTER TEST	SW846 Method 9095	NEG		07/08/97	•
CYANIDE REACTIVE	SW846 Method 7.3.3.2	ND mg/kg	5.00 mg/kg	07/09/97	
REACTIVE HYDROGEN SULFIDE	SW846 Method 7.3.4.2	ND mg/kg	5.00 mg/kg	07/09/97	
FLASH POINT/IGNITABILITY	ASTM D 4982-89	>141 Deg. F		07/09/97	
MOISTURE PERCENT	STD Methods 18th Ed. 2540	23.74 %	0.01000 X	07/08/97	
TOTAL SOLIDS PERCENT	STD Methods 18th Ed. 2540	76.26 %	0.01000 %	07/08/97	

A result of "ND" indicates the concentration of the analyte tested was either not detected or below the PQL. QC Inc's laboratory certification numbers are: PADER 09-131; NJDEP 77166, NC 488, NY,CT,DE,and MD upon request. Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; POL=practical quanitation level; L/A=laboratory accident; TNTC=too numerous to count. A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.

- 5 -

Allen D. Schonbach, President

Complicing sice

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

Contract:

1EET :	VBLK01
Lab Sample ID:	SOIL BLK 7/08
Lab File ID:	L4581.D00006

SAMPLE NO.

Level: (low/med)	LOW		Date Received: _	i	
% Moisture: not dec.	0		Date Analyzed: _	7/8/97	
GC Column: RTX-624	ID: 0	.18 (mm)	Dilution Factor: _	1.0	
Soil Extract Volume:	(uL)		Soil Aliquot Volume: _		(uL)
			Concentration Units:	٠	
CAS No.	Compound	PQL	(ug/L or ug/Kg) <u>ug/Kg</u>	Q	
74-87-3	Chloromethane	10.0		U	

74-87-3 Ch 75-01-4 Vi 74-83-9 Br 75-00-3 Ch 107-13-1 Ac 107-02-8 Ac 75-15-0 Ca	ompound nloromethane nyl Chloride comomethane nloroethane crylonitrile crolein arbon Disulfide	10.0 5.00 10.0 10.0 5.00	(ug/L or ug/Kg) <u>ug/Kg</u>	Q U U U U U U U U U U U U U U U U U U U
75-01-4 Vii 74-83-9 Br 75-00-3 Ch 107-13-1 Ac 107-02-8 Ac 75-15-0 Ca	nyl Chloride omomethane nloroethane crylonitrile crolein arbon Disulfide	5.00 10.0 10.0 5.00 10.0		U U U
74-83-9 Br 75-00-3 Ch 107-13-1 Ac 107-02-8 Ac 75-15-0 Ca	omomethane nloroethane crylonitrile crolein arbon Disulfide	10.0 10.0 5.00 10.0		U
75-00-3 Ch 107-13-1 Ac 107-02-8 Ac 75-15-0 Ca	nloroethane crylonitrile crolein arbon Disulfide	10.0 5.00 10.0		U
107-13-1 Ac 107-02-8 Ac 75-15-0 Ca	crylonitrile crolein arbon Disulfide	5.00 10.0		-
107-02-8 Ac 75-15-0 Ca	crolein arbon Disulfide	10.0	_ 	
75-15-0 Ca	arbon Disulfide			U
		100		υ
75.05.4		10.0		U
75-35-4 1,	1-Dichloroethene	2.00		U
67-64-1 A	cetone	5.00		U
75-09-2 M	ethylene Chloride	2.00		U
156-60-5 tra	ans-1,2-Dichloroethene	2.00		U
540-59-0 ci	s-1,2-Dichloroethene	2.00		U
75-34-4 1,	,1-Dichloroethane	5.00		U
108-05-4 Vi	inyl Acetate	10.0		U
78-93-3 2-	-Butanone	10.0		U
67-66-3 CI	hloroform	1.00		U
75-55-6 1,	,1,1-Trichloroethane	1.00		U
56-23-5 C	arbon Tetrachloride	2.00		U
71-43-2 Be	enzene	1.00		U
107-06-2 1.	,2-Dichloroethane	2.00		υ
79-01-6 T	richloroethene	1.00		U
78-87-5 1	,2-Dichloropropane	1.00		U
75-27-4 B	romodichloromethane	1.00		U
110-75-8 2	-Chloroethyl Vinyl Ether	10.0		U
10061-01-5 ci	is-1,3-Dichloropropene	5.00		υ
108-88-3 T	oluene	5.00		U
108-10-1 4	-Methyl-2-Pentanone	10.0		U
10061-02-6 tr	rans-1,3-Dichloropropene	5.00		υ
	,1,2-Trichloroethane	2.00		υ
127-18-4 T	etrachloroethene	1.00		U

Page 1 of 2

Lab Name: QC INC.

Matrix: (soil/water)

Sample wt/vol:

SOIL

5.00 (g/mL) ML

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

ac inc.					Contract:		l Vi	BLK01
	SOIL			_		Lab Sample ID:	SOIL BLK 7	<i>1</i> 08
ol:	5.00 (6	g/mL}	ML	_		Lab File ID:	L4581.D	000007
w/med)	LOW					Date Received:		_
not dec.	0					Date Analyzed:	7/8/97	•••
RTX-624		ID:_	0.18	_ (mm)		Dilution Factor:	1.0	
Volume:	(t	uL)			Soi	l Aliquot Volume:		(uL)
					Concentration U	nits:	ر	
AS No.	Compound			PQL	(ug/L or ug	/Kg) <u>ug/Kg</u>	a	
1-78-6	2-Hexanone			10.0			U	
4-48-1	Dibromochlor	omethan	e	1.00			U	
8-90-7	Chlorobenzen	ne		2.00			υ	
00-41-4	Ethylbenzene			5.00			U	
8-38-3	m&p Xylenes			2.00			Ü	
5-47-6	o-Xylene			1.00			U	
00-42-5	Styrene			5.00		-	IJ	
5-25-2	Bromoform			1.00			U	
9-34-5	1,1,2,2-Tetra	achloroet	hane	1.00			U	
11-73-1	1,3-Dichlorot	penzene		5.00			υ	
6-46-7	1,4-Dichlorob	penzene		5.00			U	
	QC INC. //water) rol: w/med) not dec. RTX-624 Volume: AS No. 01-78-6 04-48-1 08-90-7 00-41-4 08-38-3 6-47-6 00-42-5 6-25-2 0-34-5 41-73-1 06-46-7	SOIL SOIL	SOIL SOIL	SOIL SOIL	SOIL SOIL	SOIL SOIL		Contract: Cont

5.00

U - Indicates Compound is not Detected

- B Indicates Compound is Present in the Blank
- J Indicates Compound is Detected Below the PQL

1,2-Dichlorobenzene

- E Indicates that the Result is Estimated because it is Above Calibration Range
- D Indicates the Result is from Dilution

Page 2 of 2

FORM I VOA

Quantitation Report

800000

Data File : C:\HPCHEM\1\DATA\INSTL\L4581.D Acq On : Data Taken: 7/08/97 @ 14:25

: SOIL BLK 7/08 Sample

Misc : 5ML SOIL Quant Time: Jul 8 15:03 1997

Vial: 0 Operator: DATTU

Inst

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\L8702P.M : Method 8260 VOA Calibration Last Update : Wed Jul 02 19:25:06 1997 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
 Pentafluorobenzene 1,4-Difluorobenzene Chlorobenzene-d5 1,4-Dichlorobenzene-d4 	9.30 10.44 15.19 19.31	168 114 82 152	168953 285049 145807 64718	50.00 ug/L 0.00 50.00 ug/L 0.00 50.00 ug/L -0.01 50.00 ug/L 0.00
System Monitoring Compounds 29) Dibromofluoromethane 43) Toluene-d8 61) Bromofluorobenzene	9.21 12.74 17.25	111 98 95	90810 257598 81814	%Recovery 45.86 ug/L 91.72% 50.26 ug/L 100.51% 46.43 ug/L 92.87%

Target Compounds

Qvalue

^{(#) =} qualifier out of range (m) = manual integration L4581.D L8702P.M Tue Jul 08 15:03:57 1997 DFI4

Quantitation Report

000009

Data File : C:\HPCHEM\1\DATA\INSTL\L4581.D Acq On : Data Taken: 7/08/97 @ 14:25

Vial: 0 Operator: DATTU

: SOIL BLK 7/08 Sample

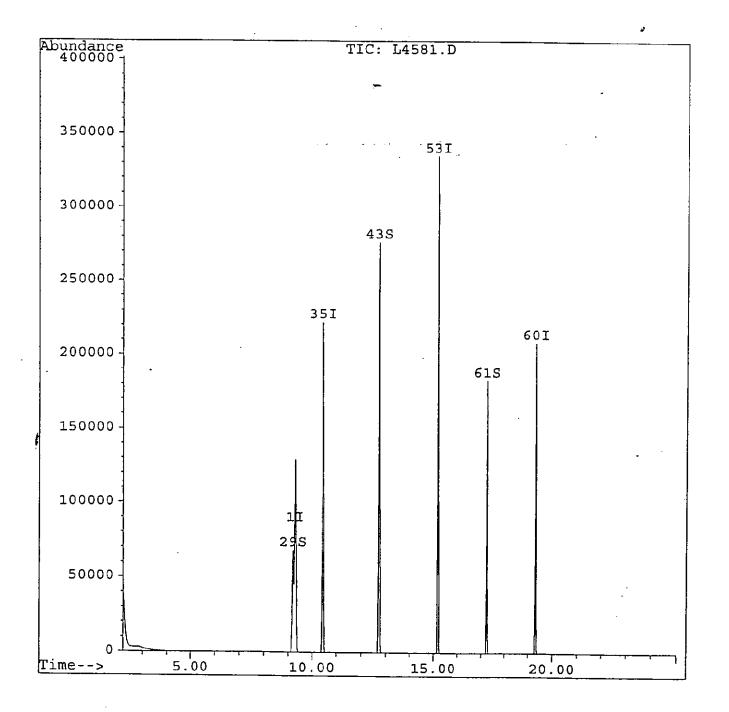
Inst

Misc : 5ML SOIL

Multiplr: 1.00

Quant Time: Jul 8 15:03 1997

Method : C:\HPCHEM\1\METHODS\L8702P.M Title : Method 8260 VOA Calibration Last Update : Wed Jul 02 19:25:06 1997 Response via : Multiple Level Calibration



VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

S	Α	M	PI	LE	NO.	

VBLK01

		•					
Lab Name: QC INC.		···	Cont	ract:		000	010
Matrix: (soil/water)	SOIL	_		La	b Sample ID	: SOIL BLK 7	
Sample wt/vol:	5.0	_ _(g/mL) <u>ML</u>			Lab File ID	: L4581.D	
Level: (low/med)	LOW			Da	ite Received	:	·
% Moisture: not dec.	0 .	_		Da	ite Analyzed	 :7/8/97	-
	 (-624	- ID: 0.1	9 /mm\		ution Factor	<u> </u>	-
		-	<u> </u>	•			-
Soil Extract Volume:	-	_ (uL)		Soil Alic	luot Volume	:	- (uL)
Number TICs found:	0		Concentratio (ug/L or ug		ug/Kg		
	Number	- Comp	ound Name	RT	Conc.	Τα	1
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FORM I VOA-TIC

29. 30.

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK02

Lab Name: QC INC.		Contract:	VBLK02
Matrix: (soil/water)	SOIL	Lab Sample ID:	SOIL BLK 7/09
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	L4603.D 000011
Level: (low/med)	LOW	Date Received:	
% Moisture: not dec.	0	Date Analyzed:	7/9/97
GC Column: RTX-624	ID; <u>0.18</u> (mm) Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volume:	(uL)
		Concentration Units:	

		Co	oncentration Units:	٠
CAS No.	Compound	PQL	(ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10.0		U
75-01-4	Vinyl Chloride	5.00		U
74-83-9	Bromomethane	10.0		U
75-00-3	Chloroethane	10.0		U
107-13-1	Acrylonitrile	5.00		U
107-02-8	Acrolein	10.0		U
75-15-0	Carbon Disulfide	10.0		U
75-35-4	1,1-Dichloroethene	2.00	·	υ
67-64-1	Acetone	5.00		υ
75-09-2	Methylene Chloride	2.00		U
156-60-5	trans-1,2-Dichloroethene	2.00		U
540-59-0	cis-1,2-Dichloroethene	2.00		U
75-34-4	1,1-Dichloroethane	5.00		U
108-05-4	Vinyl Acetate	10.0		Ų
78-93-3	2-Butanone	10.0		U
67-66-3	Chloroform	1.00		U
75-55-6	1,1,1-Trichloroethane	1.00		U
56-23-5	Carbon Tetrachloride	2.00		υ
71-43-2	Benzene	1.00		υ
107-06-2	1,2-Dichloroethane	2.00		U
79-01-6	Trichloroethene	1.00		U
78-87-5	1,2-Dichloropropane	1.00		U
75-27-4	Bromodichloromethane	1.00		U
110-75-8	2-Chloroethyl Vinyl Ether	10.0		υ
10061-01-5	cis-1,3-Dichloropropene	5.00_		U_
108-88-3	Toluene '	5.00		U
108-10-1	4-Methyl-2-Pentanone	10.0		U
10061-02-6	trans-1,3-Dichloropropene	5.00		U
79-00-5	1,1,2-Trichloroethane	2.00		U
127-18-4	Tetrachloroethene	1.00		U

Page 1 of 2

	1A			
VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET

SAMPLE NO.	
VBLK02	

Lab Name: QC INC.		Contract:	
Matrix: (soil/water)	SOIL	Lab Sample ID	SOIL BLK 7/09
Sample wt/vol:	5.00 (g/mL) ML	_ Lab File ID	: L4603.D 0001
Level: (low/med)	LOW	Date Received	=
% Moisture: not dec.	<u> </u>	Date Analyzed	: 7/9/97
GC Column: RTX-624	ID: <u>0.18</u>	(mm) Dilution Factor	:1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volume	: (uL)
		Concentration Units:	,
CAS No.	Compound	PQL (ug/L or ug/Kg) ug/Kg	<u> </u>
591-78-6	2-Hexanone	10.0	U
124-48-1	Dibromochloromethane	1.00	U
108-90-7	Chlorobenzene	2.00	υ
100-41-4	Ethylbenzene	5.00	U
108-38-3	m&p Xylenes	2.00	U
95-47-6	o-Xylene	1.00	U
100-42-5	Styrene	5.00	U
75-25-2	Bromoform	1.00	υ
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
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- U Indicates Compound is not Detected
- 8 Indicates Compound is Present in the Blank
- J Indicates Compound is Detected Below the PQL
- E Indicates that the Result is Estimated because it is Above Calibration Range
- D Indicates the Result is from Dilution

Page 2 of 2

FORM I VOA

Quantitation Report

000013

Data File : C:\HPCHEM\1\DATA\INSTL\L4603.D Acq On : Data Taken: 7/09/97 @ 13:38

Vial: 0 Operator: DATTU

Sample : SOIL BLK 7/09

Inst

Misc : 5ML SOIL

Multiplr: 1.00

Quant Time: Jul 9 15:14 1997

Method : C:\HPCHEM\1\METHODS\L8702P.M
Title : Method 8260 VOA Calibration
Last Update : Wed Jul 02 19:25:06 1997
Response via : Multiple Level Calibration

Internal Standards	R.T. QIon	Response	Conc Units Dev(Min)
 Pentafluorobenzene 1,4-Difluorobenzene Chlorobenzene-d5 1,4-Dichlorobenzene-d4 	9.32 168 10.45 114 15.19 82 19.31 152	266823 134605	50.00 ug/L 0.01 50.00 ug/L 0.00 50.00 ug/L 0.00 50.00 úg/L ~0.01
System Monitoring Compounds 29) Dibromofluoromethane 43) Toluene-d8 61) Bromofluorobenzene	9.22 111 12.74 98 17.26 95	235964	%Recovery 47.75 ug/L 95.49% 49.18 ug/L 98.36% 45.57 ug/L 91.13%

Target Compounds

Qvalue

^{(#) =} qualifier out of range (m) = manual integration L4603.D L8702P.M Wed Jul 09 15:15:07 1997 DFI4

Quantitation Report

Data File : C:\HPCHEM\1\DATA\INSTL\L4603.D

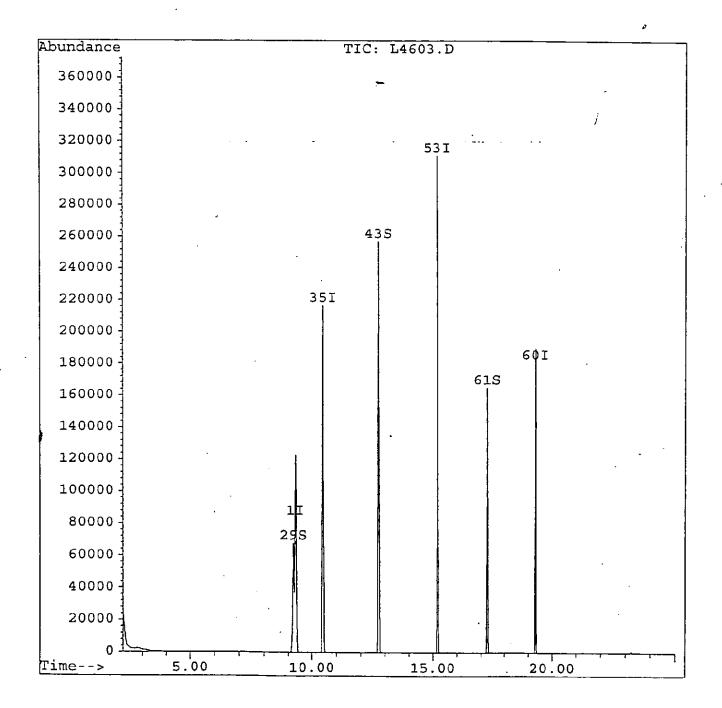
Acq On : Data Taken: 7/09/97 @ 13:38

Sample : SOIL BLK 7/09

Misc : 5ML SOIL

Quant Time: Jul 9 15:14 1997

Method : C:\HPCHEM\1\METHODS\L8702P.M Title : Method 8260 VOA Calibration Last Update : Wed Jul 02 19:25:06 1997 Response via : Multiple Level Calibration



vial: 0000014

Operator: DATTU

Multiplr: 1.00

Inst

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

S/	٩M	PL	Ε	NO.
_				_

VBLK02

		12.017.1102					
Lab Name: QC IN	C	<u>. </u>	Contr	act:	·	00	0015
Matrix: (soil/water)	SOIL			Lal	Sample ID:	SOIL BLK 7	7/09
Sample wt/vol:	5.0	(g/mL) M	L		Lab File ID:	L4603.D	
Level: (low/med)	LOW			Da	te Received:		
					te Analyzed:		•
% Moisture: not d					•		•
GC Column:	RTX-624	ID:	0.18 (mm)	Dik	ution Factor:	1.0	-
Soil Extract Volume		(uL)	•	Soil Aliq	uot Volume:		(uL)
			Concentration				
Number TICs found	0		(ug/L or ug	/Kg)	ug/Kg		
	CAS Number	C	ompound Name	RT	Conc.	a	
	1.	NONE FOUNI					}
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FORM I VOA-TIC

29. 30.

2B SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

000016

Lab Name:	QC INC.	Contract:
Lab Maine.	de inc.	

Level: (low/med)

LOW

		LAB	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	SAMPLE ID.	DFM #	TOL #	BFB #	#	OUT
01	VBLK01	SOIL BLK 7/08	92	101	93		
02	S-2MS	L236625-2MS	91	99	91		
03	S-2MSD	L236625-2MSD	93	100	91		
04	VBLK02	SOIL BLK 7/09	96	98	91		
05	SP-COMP-1 SOIL	L238722-1	94	99	93		
06	SP-COMP-2 SOIL	L238722-2	108	92	102		
07							
08							
09					_		
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19			<u> </u>		<u> </u>		
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24			<u> </u>			<u> </u>	
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2						1	1
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29					ļ <u>.</u>	<u> </u>	
30	·		<u> </u>	<u> </u>	<u> </u>	1	1

SMC1 DFM = Dibromofluoromethane

SMC2 TOL = Toluene-d8

SMC3 BFB = Bromofluorobenzene

QC LIMITS

(80-146)

(81-119)

(76-122)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

Page 1 of 1

FORM II VOA-2

Lab Name: QC INC.			Contract:				
Matrix Spike	-	Sample No.:	S-2		l	_evel: (low/med)	LOW

	SPIKE	SAMPLE	MS	MS		QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	ا ر	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC	#	REC.
1,1-Dichloroethene	56	0	54	96		(59-172)
Benzene	56	_ 0	50	89		(59-131)
Trichloroethene	56	0	61	108		(65-131)
Toluene	56	0	59	105		(59-139)
Chlorobenzene	56	0	66	117		(60-133)

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%		LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
1,1-Dichloroethene	56	54	96	1	22	(59-172)
Benzene	56	48	85	4	20	(59-131)
Trichloroethene	56	57	102	6	18	(65-131)
Toluene	56	55	98	7	21	(59-139)
Chlorobenzene	56	62	110	6	21	(60-133)

- # Column to be used to flag recovery and RPD values with an asterisk
- * Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

Comments:			

FORM III VOA-2

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: <u>QC Inc.</u> Contr	CLAYTON METHOD BLANK act: SERVICES
Lab Code:	SAS No.:SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: <u>METHOD BLANK</u>
Sample wt/vol: 30.00g (g/ml) 10ml	Lab File ID :F25P013
Level: (low/med) LOW	Date Received:
% Moisture: not dec dec	Date Extracted: 06/24/97
Extraction: (SepF/Cont/Sonc) _SON	NC Date Analyzed: 06/25/97
1.50% SP2250/ GC Column ID: 1.95% SP2401	Dilution Factor:1.0
GC Column ID (2):	Lab file ID (2):
(CONCENTRATION UNITS: (ug/L or mg/kg)mg/kg
CAS NO. COMPOUND	PQL RESULTS Q
12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-22-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	0.030 0.030 U 0.030 0.030 U

1D PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: OC Inc. Co	ntract:	_		METHOD BLANK
Lab Code:				SDG No.:
Matrix: (soil/water) <u>SOIL</u>		Lab	Sample ID:_	METHOD BLANK
Sample wt/vol: _30.00g (g/ml) 10)ml	Lab	File ID :	G16P008
Level: (low/med) LOW		Date	Received:_	
% Moisture: not dec dec		Date	Extracted:	07/11/97
Extraction: (SepF/Cont/Sonc)	SONC	Date	e Analyzed:_	07/16/97
1.50% SP2250/ GC Column ID: 1.95% SP2401				
GC Column ID (2):				
	CONCE	ENTR	ATION UNITS:	
CAS NO. COMPOUND	ΡÇ	ΣL	RESULTS	Ö
12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-22-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	0 0 0 0	.030 .030 .030 .030 .030 .030	0.030 0.030 0.030 0.030	U U U U U U

2E SOIL SURROGATE RECOVERY Primary

Lab Name:	OC	Inc.	Contra	ct: <u>CLAY</u>	TON SERVICE	S
Lab Code:	77166	Case No:	SAS	No:	_ SDG No:	
Lab Code:	01 N N N N N N N N N N N N N N N N N N N	SAMPLE NO. METHOD BLANK PCB SPIKE PCB SPK DUP METHOD BLANK L238722-1 L238722-2	S1	OTHER	SDG No:	
!	28 29 30				· .	

ADVISORY QC LIMITS (30-145)

- S1 (DBC) = Dibutylchlorendate (100ul/40ppm)
- # Column used to flag recovery values with an asterisk
- * Values outside of QC limits
- D Cannot calculate due to dilution

FORM II PEST-2

1/87

Lab Name :	QC Inc.			Contract :	CLAYTON	SERVICES	
Lab Code:	77166	Case No:		SAS No.:		SDG No.:	
Matrix Spike - Samp	ole No.:	L234576-	1	Level (low.	/med) : .	Low	
							<i>,</i>
	AMOUNT	SAM	PLE CONC.	MS C	ONC.		QC
COMPOUND	ADDED	IN E	XTRACT	IN EXT	TRACT	MS %	LIMITS
	(mg/kg)	{n	ng/kg)	(mg	-	REC #	%
Arochlor 1260	1.67		0.000	1.42		85.	57-168
COMPOUND	IN EX	CONC. KRACT mg/kg)	MSD % REC #	MS % REC #	RPD%	RPD	QC LIMITS % REC.
Arochlor 1260	1.5		92.	85.	8.	50	57-168
# Column to be used * * Values outside ΩC		and RPD v	ralues with ar	asterisk			

out of 1 outside limits out of 2 outside limits

FORM I	II PEST-2

RPD: 0 ery: 0

Spike Recovery:

Comments:___

DIESEL RANGE ORGANICS ANALY	SIS DATA SHEET SAMPLE NO.
Lab Name: OC Inc. Contr	CLAYTON METHOD BLANK act: SERVICES
Lab Code:	SAS No.: SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: METHOD BLANK
Sample wt/vol: 30.00g (g/ml) 4ml	Lab File ID : G10H012
Level: (low/med) Low	Date Received:
% Moisture: not dec dec	Date Extracted: 07/10/97
· · · · · · · · · · · · · · · · · · ·	Date Analyzed: 07/11/97
GC Column ID: RTX-5	Dilution Factor:1.0
	CONCENTRATION UNITS: (ug/L or mg/kg) mg/kg
CAS NO. COMPOUND	PQL RESULTS Q
Diesel Range Organics	5.00 5.00 U

1D

2E SOIL SURROGATE RECOVERY Primary

Lab	Name	::	C Inc	·	Co:	ntrad	ct: <u>CLA</u>	<u>NOTY</u>	SERVIC	ES
Lab	Code	: 7716	56	Case No:		SAS	No:	SDG	No:	
			SAN	MPLE NO.	S1 (OTP)#		S2 (DBC)#			y
		01 02 03 04 05 06 07 08 09	DRO DRO L238 L238	HOD BLANK SPIKE SPK DUP B722-1 B722-2	129 *234 *226 105 *160		110 116 98	-		· ···
·	,	11 12 13 14 15 16 17 18								
·		21 22 23 24 25 26 27 28 29								
	S1 S2	(OTP) =	: 0-T	erphenyl (1ml/20ppm	m) m1/4(Oppm)	QC (5	OVISORY C LIMITS 50-150) 50-150)	5
	#			_			with an as	teris	sk	
	*			le of QC li	•					
	D			ate due to		n				

FORM II DRO-2

M Matrix interference

1/94

			1D		
DIESEL	RANGE	ORGANICS	ANALYSIS	DATA	SHEET

SAMPLE NO.

Lab Name: OC Inc.	· Co	ontract:			METHOD BLANK
Lab Code:	Case No.:_		SAS 1	No.:	SDG No.:
Matrix: (soil/wate:	r) <u>SOIL</u>		Lab :	Sample ID:_	METHOD BLANK
Sample wt/vol: _3	0.00g (g/ml) 4	1ml	Lab 1	File ID :	G10H012
Level: (low/med)	Low		Date	Received:	
% Moisture: not de	c dec		Date	Extracted:	07/10/97
	· .		Date	Analyzed:_	07/11/97
GC Column ID:	RTX-5		Dilu	tion Factor	:1.0
,		CONCE	ENTRA	TION UNITS:	
CAS NO. COM	POUND	PÇ	ΣL	RESULTS	Q
Diesel Range Org	anics	5.	. 00	5.00	_U

2E SOIL SURROGATE RECOVERY Primary

Lab	Name:	QC Inc	<u></u>	Contract:	CLAYTON SERVICES
				SAS No:	SDG No:

1		S1 .	S2
	SAMPLE NO.	(OTP)#	(DBC)#
1			
01	METHOD BLANK	129	
02	DRO SPIKE	*234	110
03	DRO SPK DUP	*226	116
04	L238722-1	105	
05	L238722-2	*160	98
06			
07			
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- # Column used to flag recovery values with an asterisk
- * Values outside of QC limits
- D Cannot calculate due to dilution
- M Matrix interference

1/94

3E SOIL DRO MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: <u>QC In</u>	<u>c.</u>		_ Cont	rac	:t:	CLAYT	ON SERVI	CES
Lab Code:	Case	No.:_		SAS	No.	:	SDG No.	:
Matrix Spike-Sample No.: <u>LAB SAND</u> Level:(low/med) <u>Low</u> ,						<u>v</u>		
AMOUNT SAMPLE CONC. MS CONC ADDED IN EXTRACT IN EXTRACT COMPOUND (mg/kg) (mg/kg) (mg/kg)					MS% REC #	QC LIMITS		
Diesel Range Organics	98.		00.0			127.	130	50-150
					·			
	MSD COL		MSD%	м	5%	ુ	QC LI	MITS
COMPOUND	(mg/kg		REC #			RPD #	RPD	REC.
	130		133		130	2.3	20	50-150
Diesel Range								
COMMENTS:								

			1D		
GASOLINE	RANGE	ORGANICS	ANALYSIS	DATA	SHEET

SAMPLE NO.

				,
Lab Name: <u>QC Inc.</u>	Contract:		AYTON ERVICES	METHOD BLANK
Lab Code: 77166 Case No).: <u></u>	SAS N	Vo.:	_ SDG No.:
Matrix: (soil/water) <u>SOIL</u>		Lab S	Sample ID:	METHOD BLANK
Sample wt/vol: 10.00g (g/ml)		Lab F	File ID :_	G10K013
Level: (low/med) Low_	L)	Date	Received:	
GC Column ID: Rtx-502.2		Dilut	tion Facto	r: <u>1.0</u>
%Moisture: not decdec				
			rion units	: (ug/L or
CAS NO. COMPOUND	P(ΣL	RESULTS	Q
Gasoline Range Organics		.00	5.00	U

2E SOIL SURROGATE RECOVERY Primary

Lab	Name:	<u>OC</u>	Inc.	Contract:	CLAYTON SERVICES
Lab	Code:	77166	Case No:	SAS No:	SDG No:

SAMPLE NO. (BFB)# OTHER	
DEFILE NO. (BIB)	۱ ۱
01 METHOD BLANK 117	
02 GAS SAND MS 129	
03 GAS SAND MSD 140	
04 L238722-1 208 M	
05 L238722-2 240 M	
06	
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ADVISORY OC LIMITS (50-150)

- (BFB) = Bromofluorobenzene (50UL/500PPM)
- Column used to flag recovery values with an asterisk
- Values outside of QC limits
- Matrix Interference Μ

3E SOIL GRO MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: <u>OC In</u>	c		_ Cont	rac	:t:	CLAYTOI	N SERVIC	<u> </u>			
Lab Code:77166	Case	No.:_	·	SAS	No.	:	SDG No.	:			
Matrix Spike-Sample	No.:I	LAB SA	ND L	eve	21:(1	ow/med)	Lo	<i>y</i> ,			
COMPOUND	AMOUNT ADDED (mg/kg)	IN EXTRACT			IN	CONC EXTRACT mg/kg)	MS% REC #	QC LIMITS			
Gasoline Range Organics	25.00	0.	000		3	1.9	128	50-150			
	MSD CONC. QC LIMITS										
COMPOUND			MSD% REC #			% RPD #	-	REC.			
Gasoline Range Organics	32.8		131	128		2.3	20	50-150			
# Column to be use to flag recovery and RPD values with an asterisk * Values outside QC limits RPD: 00 out of 01 outside limits Spike Recovery: 00 out of 02 outside limits											
COMMENTS:				-							

METALS ANALYTICAL RESULTS AND QUALITY ASSURANCE DATA

CLIENT: Clayton Services Corporation SAMPLE I L238722-1,2

Analyte	Sample	Unspike Sample		MSD Conc. Added		MSD	SPIKE RE	MSD		BLA RES	THOD NK SULTS
	1D	Results	(mg/l)	(mg/l)	Result	Result	Recovery	Recovery	RPD	1	
Aluminum]			<u> </u>				
Antimony	-										
Arsenic	L238722-1	ND	2.5	2.5	2.19	2.05	88	82	6.6	ND	
Barium	L238722-1	0.566	2.5	2.5	2.5	2.33	77	71	9.2	ND	*
Beryllium			Ī	Ï			<u> </u>				j
Cadmium	L238722-1	ND	0.5	0.5	0.371	0.342	74	68	8.1	ND	
Calcium					l			<u> </u>			
Chromium	L238722-1	ND	2.5	2.5	1.93	1.79	77	72	7.5	ND	*
Cobalt				Ī	Τ			l			
Copper											Į
Iron]	<u> </u>		1		
Lead	L238722-1	ND	2.5	2.5	1.89	1.73	76	69	8.8	ND	•
Magnesium							<u> </u>		1		1
Manganese		Ī	1.		1		<u>. </u>	<u> </u>	↓ _		1
Mercury	L226822-1	ND	0.002	0.002	0.00225	0.00206	113	103	8.8	ND]
Molybdenum]			<u> </u>	<u> </u>		ļ ·	<u> </u>	ļ
Nickel									1		1
Potassium		T	.l			<u>i</u>			ļ	<u> </u>	1
Selenium	L238722-1	ND	2.5	2.5	2.05	1.9	82	76	7.6	ND]
Silver	L238722-1	ND	0.5	0.5	0.411	0.387	82	77	6.0	ND	Ţ
Sodium				Ϊ,		1		1]
Thallium		1									_
Titanium		T				1	I	.	1	<u> </u>	_
Tin		1								<u> </u>	
Vanadium										1	_
Zinc	į — —										1

^{*} MS and / or MSD recoveries were outside control limits, but the lab control sample recoveries met criteria.

QC LABORATORIES

GENERAL CHEMISTRY SAMPLE AND SPIKE DUPLICATE RESULTS

Test Report No.: L238722

Client Name : CLAYTON SERVICES CORPORATION

Parameter	Sample Number	Sample Matrix	Units	Sample Result	Dup Result	RPD %	RPD Limit
CYANIDE REACTIVE	L236792-8	Solid	mg/kg	<5	<5	0.0	20
FLASH POINT/IGNITABILITY	L238722-1	Solid	Deg. F	>141	>141	0.0	20
MOISTURE PERCENT	L230745-1	Solid	7.	98.27	98.26	0.01	20
PAINT FILTER TEST	L238722-1			Neg.	Neg.	0.0	20
REACTIVE HYDROGEN SULFIDE	L236792-8	Solid	mg/kg	<5	<5	0.0	20
TOTAL SOLIDS PERCENT	L230745-1	Solid	*	1.73	1.74	0.6	20

Duplicate RPD: 0 out of 6 outside limits

Form No. WC2

QC LABORATORIES

GENERAL CHEMISTRY BLANK RESULTS

Test Report No.: L238722

Client Name : CLAYTON SERVICES CORPORATION

Parameter	Sample Matrix	Units	Concentration Found	Practical Quantitation Limit
CYANIDE REACTIVE	Liquid	mg/l	ND	5
REACTIVE HYDROGEN SULFIDE	Liquid	mg/l	DND	5

QC LABORATORIES

GENERAL CHEMISTRY SPIKE SAMPLE RESULTS

Test Report No.: L238722

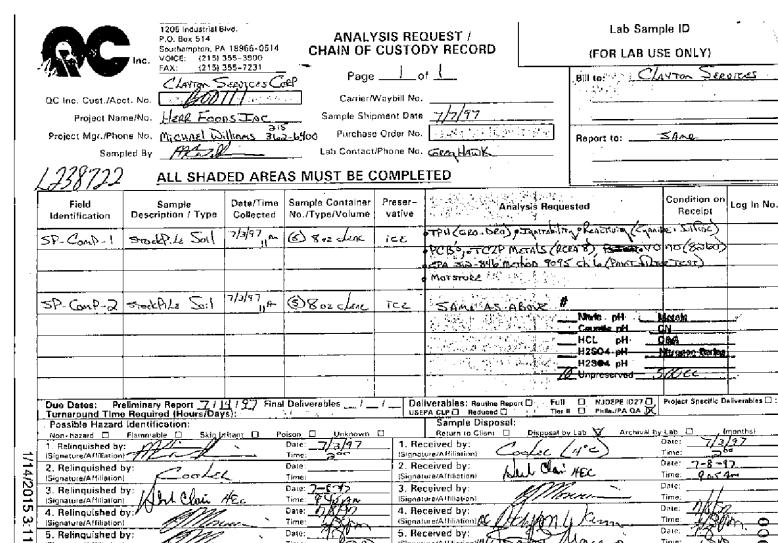
Client Name : CLAYTON SERVICES CORPORATION

Parameter	Sample Number	Sample Matrix	Units	Sample Result	Spike Conc.	Spiked Result	Spike Rec. %	QC Limits
CYANIDE REACTIVE	L236792-8	Solid	mg/kg	<5	12.5	12.5	100	41-112
REACTIVE HYDROGEN SULFIDE	L236792-8	Solid	mg/kg	<5	86.4	72	83	45-110

Spike Recovery: 0 out of 2 outside limits

The appearance of an LFB denotes that the MS was outside QC Limits

Form No. WC4



4. Received by:

(Signature:Affiliation) 🕰

(Signature/Affitiation) 5. Received by:

For Soil

Date:

Time:

Date:

7/8/5-

7/9 7:40

Figure Was Report Yellow (CA Olog) Pink (Sample Custody Will Charled Renge

PLEASE JAX RESULTS!

, 362-6481

4. Relinquished by:

5. Relinquished by:

Comments / Special Instructions:

(Signature/Affiliation)

Ç

11:37

PK

Date:

Time

Date: