SITE INFORMATION

		Repo	rt	Type: Clos	sure Re	port		
General Site Info	rmation:	2. 欧 林云和	4			39.77.67.8		
Site:		Continenta	al .	A State Tank Ba	ttery			
Company:	-	COG Oper	ati	ing LLC				
Section, Townsh	ip and Range	Unit I		Sec. 30	T-17-S	R-29-E		
Lease Number:		API-30-015	-3	5052				
County:		Eddy Cour	ity	/				
GPS:				32.81210			104.11641	
Surface Owner:		State				·····		
Mineral Owner:		Interpetion	<u></u>	Live 90 and CD 01	2 (Most of	Loop Hillo), tra	avelyingt on Hung 92.2.4 mill turn right	
Directions:		0.2 mi. turn l	oı efi	Hwy 82 and CR-21	2 (west of niection well	Loco Hins), the	t of wellhead	
					,			
						P	FCFIVED	
					er sos de la de la se se servi		NOV 01 2012	
Release Data: 🐜			S.		n san kan ka	的名词复数	Cherry Contract of Contractor	
Date Released:		5/23/2012	23/2012 INMOCD ARTESIA					
Type Release:		Produced V	Va	ater				
Source of Contam	ination:	2" bull plug	fa	iled at tank		······		
Fluid Released:		30 bbls	_			·····		
Fluids Recovered:	. (245 °	27 DDIS	201	Teacher and and and and the set.	7-4-1-1734-47 (121 %, "REA	NE VERSION DE LETAL		
Name:	Pat Ellis					Ike Tavarez		
Company:	COG Operating, LL	С				Tetra Tech		
Address:	550 W. Texas Ave.	Ste. 1300				1910 N. Big	Spring	
P.O. Box								
City:	Midland Texas, 797	01				Midland, Te	xas	
Phone number:	(432) 686-3023	, .				(432) 682-4	559	
Fax:	(432) 684-7137							
Email:	pellis@conchoresou	urces.com				Ike.Tavare	z@tetratech.com	
and a second and a second s			•	and the second secon	an an an an an an an an Artholacht Martholacht			
Ranking Criteria:				a da angara sa				
					·			
Depth to Groundwa	ater:			Ranking Score			Site Data	
<50 ft				20	· · · · ·	<u></u>	e e anti-transformente de anti-transformente	
50-99 ft				10				
>100 n.				<u> </u>				
WellHead Protectio	on:			Ranking Score		•	Site Data	
Water Source <1,00	00 ft., Private <200 ft	:		20				
Water Source >1,00	00 ft., Private >200 ft			0			0	
Curfage Reduct 14	-4			Devision Course	1		Site Data	
<pre>Surface body of wa <200 ft</pre>				Pranking Score			Site Data	
200 ft - 1.000 ft.	· · · · · · · · · · · · · · · · · · ·			10				
>1,000 ft.	·· ·····			0			0	
			, <u>1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995</u> 1995 -					
Tóta	al Ranking Score:		9 9 9 9 9 10					
					-			
		Accep	ta	ble Soil RRAL (I	ng/kg)			
	Ber				TPH	_		
		10		50	5,000			
ana para a su a		11.11.11.11.11.11.11.11.11.11.11.11.11.		-naharara na sa kana ka ka jaw	n en	an an air an a ir an	an a	

.



October 8, 2012



Mr. Mike Bratcher Environmental Engineer Specialist NMOCD, District 2 811 S. First Street Artesia, New Mexico 88210

Re: Closure Report for the COG Operating LLC., Continental A State Tank Battery Located in Unit C, Section 30, Township 17 South, Range 29 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Continental A State Tank Battery located in Unit C, Section 30, Township 17 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.81210°, W 104.11641°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico Oil Conservation Division (NMOCD) Form C-141 Initial Report, the leak was discovered on May 23, 2012, and released approximately thirty (30) barrels of crude oil due to a 2" bull plug failed used at the sales tank at the facility. COG personnel replaced the defective bull plug. Approximately twenty-seven (27) barrels of oil were recovered from the spill area.

The spill initiated inside the facility firewalls impacting the area west of the tanks measuring approximately 5' x 300'. The crude oil breached the northeast and southwest firewalls measuring approximately 5' x 20' and 10' x 25'. The footprint of the spill is shown on Figure 3. The initial Form C-141 is enclosed in Appendix A.



Groundwater

No wells were located in Section 30. According to the NMOCD groundwater map, the depth to groundwater in this area is approximately 175' below surface. The groundwater data is shown in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment

On July 3, 2012, Tetra Tech personnel inspected and sampled the spill area. A total of eight (8) auger holes (AH-1 through AH-8) were installed using a stainless steel hand auger to assess the impacted soils. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. The sampling results are summarized in Table 1. The auger hole locations are shown on Figure 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

Referring to Table 1, auger holes (AH-2, AH-3, AH-7, AH-8 and AH-9) either exceeded the RRAL for TPH, benzene or total BTEX. Auger holes (AH-8 and AH-9) did not show a chloride impact to the areas. The remaining auger holes showed elevated chloride concentrations and were not vertically defined. Due to a dense caliche layer, deeper samples could not be collected with a hand auger. During the excavation phase of remediation, backhoe trenches will be installed to collect deeper samples.

Remediation and Conclusion

Based on the approved work plan, Tetra Tech personnel supervised the excavation of the site. The excavated area and depths are highlighted in Table 1. The final excavation depths of the soil remediation were met as



stated in the approved work plan. Approximately 260 cubic yards of soil were excavated and transported to R360 facility for proper disposal.

The excavated area measured approximately 5' x 275' at a depth of approximately 1.0' to 3.0' below surface. Due to the facility equipment, tanks and lines, the area of AH-1 was excavated to a depth of approximately 1.0' and deeper excavation could be performed in the area for safety concerns. The remaining areas were excavated to a depth of 3.0' below surface. Once excavated, bottom hole confirmation samples were collected from the areas of auger holes (AH-2, AH-3, AH-4, AH-5, AH-7, AH-8 and AH-9) for either TPH, BTEX or chlorides. The sampling results are shown in Table 1.

Referring to Table 1, none of the selected samples were above the RRAL for TPH and BTEX. Elevated chloride concentrations were detected at AH-3 and AH-4 and further excavation was not practical in this area due to the proximity of the production tanks. Based on the results, these areas were capped with clay material in the excavation bottom (0.5' to 1.0' thick). The excavations were then backfilled to grade with clean material.

Based on the remedial activities performed, COG request closure of the site. A copy of the C-141 (Final) is included in Appendix A. If you have any questions or comments concerning the remedial activities, please call at (432) 682-4559.

Respectfully submitted,

Ike Tavafez Senior Project Manager

cc: Pat Ellis - COG

. .

.

. . .

.

Figures

. . .



Orawn By: Isabel Marmolejo



Drawn By: Isabel Mannolejo





Tables

4 | | |

Table 1

COG Operating LLC.

Continental A State Tank Battery

Eddy County, New Mexico

Comple ID	Samela Data	Sample Depth	Soils	Status	1	TPH (mg/l	(g)	Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Sample Date	(ft)	In-Situ	Remove	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-1	7/3/2012	0-1		X	22.2	1,210	1,232	<0:0200	<0.0200	0.0411	0.603	0.644	2,240
	u	1-1.5		X		Co.					XSE		1,900
AH-2	7/3/2012	O-1		×	806	4,240	5,046	0.665	7.88	12.0	8.15	28:7	<20.0
CS-6	8/17/2012	3' Bottom	X		<4.00	<50.0	<50.0	-	-				
AH-3	7/3/2012	<u>.</u> 0-1		×	746	2,280	3,026	4.04	s ₂ 64.1	37.2	82:8	188	16,700
	89	1-1.5		X				<0.200	. 16.0 -	33.6	67.6	117	13,900
	EI	2-2.5		X				<0.100	<0.100	1.04	3.43-	4.47	5,760
CS-1	8/15/2012	3' Bottom	Х		-	-	-	<0.0200	<0.0200	0.333	1.48	1.81	2,290
	81	4	Х		-	-	-	-	-	······	-	-	5.84
AH-4	7/3/2012			X	194	1,200	1,394	-2.68	0.162	1.31	2.89-	7.04	12,100
CS-2	8/15/2012	3' Bottom	X		-	-	-	-	-	-	-	-	2,750
	ti.	4	X		-	-	-	-	-	-	-	-	7.33
AH-5	7/3/2012	0-1		X.	141	1,070	-1,211	<0.100	<0.100	0.213	0.494	0.707	6,920
	"			X									2,070
CS-5	8/16/2012	3' Bottom	X		-	-	-	-	-	-	-	-	24.3
	11	4	Х		-	-	-	-	-	-		-	14.6
											1		

Table 1

COG Operating LLC.

Continental A State Tank Battery

Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil	Status	1	[PH (mg/l	(g)	Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID			In-Situ	Remove	d GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-6	7/3/2012	÷		X	164	377-	541	. <0.100	0.260	4.13	4.75	9.14	2,650
	п	1-1:5		- X -							58 -1 57		556
	u	2-2.5		X									1,420
	11	3-3.5	X	ľ	-	-	-	-	-	-	-	-	1,730
	11	4-4.5	Х		_								
	11	5-5.5	Х		-	-	-	-	-	-	-	-	886
		FROM THE FOR THE STATE	a control a stratage a); 1.09 1.07 100 00.1	nu este transmission a	1.5.13. 241.424.444		In Come war in the second	armen oraș e cast c . Ve	an referent for over some some over a some	I NUMBER OF TRADE OF T	1000 20 20 20 20 20 20 20 20 20 20 20 20	HERE SHALL FROM
AH-7	7/3/2012	,O -1 , , , , , , , , , , , , , , , , , , ,		X	5,360	4,940	10,300	24.3	219	130	-191	564	1,490
· · · · · · · · · · · · · · · · · · ·	81	1,-1.5		X	3,100	8,500	11,600,	30:5	258	134	193	616	1,490+
CS-4	8/16/2012	3' Bottom	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	6.93
AH-8	7/3/2012	0-1		X	11,800	8,060	19,860	79:2	532	266	379	1,256	103
	11	A 51-1.5		× X*	4,190	8,570	12,760	75.1	405 -	184	273	937	44.3
CS-3	8/16/2012	3' Bottom	X	an a	<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	-
AH-9	7/3/2012	0-1		X	5,880	6,580	12,460	18.4	88.7	54:4	39.4	201	39:4
	11	1-1.5		X	3,960	5,020	-8,980	39.2	259	126	182	606	78:4
CS-7	8/20/2012	3' Bottom	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	-
				ſ									

(--) Not Analyzed

Excavated Material

.

· · · ·

.

.

Photos

....



View Southwest - Area of AH-1 and AH-2



View South – Area of AH-3 and AH-4



View Southeast – Area of AH-9

COG Operating LLC Continental A State Tank Battery Eddy County, New Mexico



TETRA TECH

Clay Liner



Backfill



Backfill

Appendix A

.

.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State o Energy Mineral Oil Conse 1220 Sou Santa 1	f New Mexico s and Natural Resc ervation Division th St. Francis Dr Fe, NM 87505	NOV 0 1 2012	Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
Rei	lease notificatio	on and Correc	ctive Action	
		OPERATOR	🔲 Init	tial Report 🛛 🔀 Final Report
Name of Company COG Operati	ng LLC	Contact	Pat Ellis	
Address 550 W. Texas, Suite 1300 Mi	dland, Texas 79701	Telephone No.	(432) 230-0077	
Facility Name Continental A State T	ank Battery	Facility Type	Tank Battery	
Surface Owner: State	Mineral Owner	:	Lease	No. (API#) 30-015-29696 st well location

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	
C	30	178	29E						Eddy

Latitude N 32.81210° Longitude W 104.11641°

NAT	TURE OF RELEASE	
Type of Release: Oil	Volume of Release 30 bbls	Volume Recovered 27 bbls
Source of Release: 2" Bull plug at tank	Date and Hour of Occurrence	Date and Hour of Discovery
	05/23/2012	05/23/2012 7:00 a.m.
Was Immediate Notice Given?	If YES, To Whom?	
	equired Mik	e Bratcher-OCD
By Whom? Michelle Mullins	Date and Hour 05/23/2010 8:55	p.m
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.
🗌 Yes 🛛 No	N/A	
If a Watercourse was Impacted, Describe Fully *		· · · · · · · · · · · · · · · · · · ·
Describe Cause of Problem and Remedial Action Taken.*		
A 2" bull plug came out at the sales tank releasing oil into the faci	lity. The bull plug has been replaced.	
Describe Area Affected and Cleanup Action Taken *		
Describe Area Arrected and Cleanup Action Taken.		
Tetra Tech personnel inspected the site and collected samples to d	efine the spills extent. Soil that exceeded RI	RAL was removed and bauled away for-
proper disposal. The site was then brought up to surface grade wit	h clean backfill material. Tetra Tech prepare	ed a closure report and submitted it to
NMOCD for review.		
		a waa a a a a a
I hereby certify that the information given above is true and comp	lete to the best of my knowledge and unders	tand that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain r	elease notifications and perform corrective a	actions for releases which may endanger
public health or the environment. The acceptance of a C-141 repo	ort by the NMOCD marked as "Final Report"	" does not relieve the operator of liability
should their operations have failed to adequately investigate and re	emediate contamination that pose a threat to	ground water, surface water, human health
federal state or local hows and/or regulations (report does not relieve the operator of respon	nsibility for compliance with any other
rederal, state, or local plays and or regulations,	OIL CONSED	
In STI	<u>OIL CONSER</u>	VATION DIVISION
Signature:		
	Approved by District Supervisor:	
Printed Name: Ike Tavarez (AGent In Col) // improved by District Supervisor.	
Litle: Project Manager	Approval Date:	Expiration Date:
E-mail Address: Ike Tayarez@TetraTech.com	Conditions of Approval	
Loman Audress, ike, ravalez@retrarech.com	Conditions of Approval:	Attached
Date: $10-5-12$ Phone: (432) 682-4559		

* Attach Additional Sheets If Necessary

<u>District 1</u> 1625 N. French I <u>District II</u> 1301 W. Grand A <u>District III</u> 1000 Rio Brazos <u>District IV</u> 1220 S. St. Franc	Dr., Hobbs, Avenue, Art Road, Azte sis Dr., Sant	NM 88240 esia, NM 88210 c, NM 87410 a Fe, NM 87505	Rele	En ase l	St ergy Mi Oil (1220 S Notifi	tate of inerals Conse) Sout anta F catio	F New Mex and Natura rvation Div h St. Franc Fe, NM 875 m and Co	ico 1 Resources vision is Dr. 05 prrective A	ction		Rev Submit 2 C District (wi	F nsed Oct opies to Office in th Rule	Form C-141 tober 10, 2003 o appropriate n accordance 116 on back side of form
							OPERA	FOR		🛛 Initi	al Report		Final Report
Name of Co	mpany	COG OP	ERATIN	G LLC			Contact	Pa	at Ellis				·····
Address	550 W.	Texas, Suite	<u>100, Mi</u>	dland, '	TX 7970)	Telephone N	No. 432-	230-00	77	<u></u>		
Facility Nam		munental A s	state ran	K Batte	ry		Гасниу Тур	e lani	k Batter	у			
Surface Owr	ner State			N	Aineral (Owner			<u></u>	Lease N Closest	No. (API#) : well location	30-015 on	-29696
Unit Letter C	Section 30	Township 17S	Range 29E	Feet f	LOC.	ATIO Norti	N OF REI	EASE Feet from the	East/V	Vest Line	County E	Eddy	<u></u>
L <u></u>		I		Lati	tude 32	48.726	5 Longitu	de 104 06.985	[L		
		,			NAT	rurf	OF REL	EASE					
Type of Relea	se Oil				1		Volume of	Release 30bbls		Volume F	Recovered 2	7bbls	
Source of Rel	ease 2"b	ull plug at tanl	(Date and H	lour of Occurrenc	e	Date and 05/23/201	Hour of Disc	covery	
Was Immedia	te Notice (Given?			1		If YES, To	Whom?	ł	03/23/201	2 7.00 a.m.		
			Yes 🗌	No [Not R	equired			Mike E	Bratcher-O	CD		
By Whom?	Michelle	Mullins			<u> </u>		Date and H	lour 05/23/2012	8:55 p.n	n	······		
was a watere	ourse rica		Yes 🛛	No			II 165, VU	nume impacting t	ne wate	rcourse.			
If a Watercour	rse was Im	pacted, Descri	be Fully.*										
Describe Caus	e of Probl	em and Remed	lial Action	Taken	.*				····				
A 2" bull plug	came out	at the sales tar	ık releasin	g oil in	to the fac	ility. T	he bull plug ha	s been replaced.					
Describe Area	Affected	and Cleanup A	ction Tak	en.*									
Initially 30bbl several inches contamination	s of oil wa of the con from the i	s released from taminated soil release and we	n the sales has been will prese	tank ar remove ent a ren	nd we we d and hau nediation	re able uled to o work p	to recover 27bl lisposal. Tetra lan to the NM	bls with a vacuum <u>Tech will sample</u> OCD for approval	truck. he:spil: prior to	All free flu lisite:area: any signif	uids have bee to delineate a ficant remedi	in recov iny-posi ation w	ered and sible
I hereby certify regulations all public health of should their op or the environi federal, state, of	y that the i operators or the envir perations h nent. In a or local law	nformation gives are required to ronment. The ave failed to a ddition, NMO ws and/or regularity and ws and/or regularity and ws and/or regularity and ws and/or regularity and ws and for regularity and where the second ws and for regularity and where the second ws and where the second where the second where the second ws and where the second where second where second where the second where seco	ven above report an acceptanc dequately CD accept lations.	is true a d/or file e of a C investig ance of	and comp certain t -141 repo gate and r a C-141	olete to release i ort by th remedia report o	the best of my notifications ar the NMOCD ma te contamination does not relieve	knowledge and un d perform correct arked as "Final Recon that pose a three the operator of r	nderstan tive acti- eport" de eat to gro- esponsil	d that purs ons for rele ces not reli ound water collity for co	uant to NMC eases which r eve the opera- , surface wat ompliance wi	OCD rul may enc ator of l er, hum th any o	es and langer iability ian health other
		7 6						OIL CONS	SERV	ATION	DIVISIO	N	
Signature:	\leq /.	~ 1	(-	\geq									
Printed Name:		Josh	Russo				Approved by	District Supervise	»r:				
Title:	<u>-</u>	HSE Co	ordinator				Approval Date	e:	E	xpiration I	Date:		
E-mail Addres	S:	jrusso@conct	oresource	s.com			Conditions of	Approval:			Attached		
Date: 0	6/04/2012	Pho	ne: 4	32-212-	2399						<u> </u>		
* Attach Additie	onal Shee	ts If Necessa	ry										

Appendix B

.

.

.

. .

.

Water Well Data Average Depth to Groundwater (ft) COG - Continental A State Tank Battery Eddy County, New Mexico

29 East

29 East

29 East

13~

16 South

17 South

18 South

17----

SITE

18-

	16 So	16 South 28 East				
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

20 East

	_ 1/ .	South		20 Las		
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22 79	23	24	_
30	29	28	27	26	25	
31	32	33	34 53	35	36	

17 Couth

		18 Sc	outh	28	East	
	6	5	4	3	2	1
	7	8	9	10	11	12
-	<u>18.</u>	17	16	15	.14	.13:
	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35 65	36

b	5	4	3	2	
7	8	9	10	11	12
18	17	16	15	14	13
19 110	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

	16 Sc	outh	30	East	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

	17 50	outh	30	East	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

	18 Sc	buth	30	East	
6	5	4	3	2	1
7	8	9	10	11	12
 18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

New Mexico State Engineers Well Reports

USGS Well Reports

Site Location - Continental A State Tank Battery

Appendix C

Report Date: August 23, 2012	Work (Drder: 12082207	Page	Number: 1 of 1
	Summar	y Report		
Tavarez ra Tech 0 N. Big Spring Street Iland, TX 79705 oject Location: Eddy Co., NM oject Name: COG/Continental oject Number: 114-6401422	A State TB		Report Date: Augu Work Order: 12082	st 23, 2012 2207
ample Description	Matrix	Date Taken	Time Taken	Date Received
7341 CS-7 3' Bottom AH	-9 3' soil	2012-08-2	0 00:00	2012-08-21
mple - Field Code	BTE Benzene Toluene Eth (mg/Kg) (mg/Kg) (X ylbenzene Xylene (mg/Kg) (mg/Kg)	MTBE TPH DRO - NH MTBE DRO (mg/Kg) (mg/Kg)	EW TPH GRO GRO (mg/Kg)
7341 - CS-7 5 Bottom AH-9 5			< 20.0	<4.00

1

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.



7

Project Location:Eddy Co., NMProject Name:COG/Continental A State TBProject Number:114-6401422

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
307341	CS-7 3' Bottom AH-9 3'	soil	2012-08-20	00:00	2012-08-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

rebach 1

·····

Dr. Blair Leftwich, Director Dr. Michael Abel, Project Manager

Report Contents

. . . .

Case Narrative		3
Analytical Report		4
Sample 307341 (CS-7/5/BOROM AR-S	55)	4
Method Blanks		6
QC Batch 94141 - Method Blank (1)		6
QC Batch 94162 - Method Blank (1)		6
QC Batch 94163 - Method Blank (1)		6
Laboratory Control Spikes		8
QC Batch $94141 - LCS(1) \dots$	· · · · · · · · · · · · · · · · · · · ·	8
QC Batch 94162 - LCS (1)		8
QC Batch 94163 - LCS (1)		9
QC Batch 94141 - MS $(1)'$	· · · · · · · · · · · · · · · · · · ·	9
QC Batch 94162 - MS (1)		10
QC Batch 94163 - MS (1)		10
Calibration Standards		12
OC Batch 94141 - CCV (1)		12
QC Batch 94141 - CCV (2)		12
QC Batch 94162 - CCV (1)		12
QC Batch 94162 - CCV (2)		12
QC Batch 94162 - CCV (3)		13
QC Batch 94163 - CCV (1)		13
QC Batch 94163 - CCV (2)		13
QC Batch 94163 - CCV (3)		13
Appendix		15
Report Definitions		15
Laboratory Certifications		15
Standard Flags		15
Attachments		15

Page 2 of 15

Case Narrative

Samples for project COG/Continental A State TB were received by TraceAnalysis, Inc. on 2012-08-21 and assigned to work order 12082207. Samples for work order 12082207 were received intact at a temperature of 2.3 C.

Samples were analyzed for the following tests using their respective methods.

		Prep	Prep	\mathbf{QC}	Analysis
Test	Method	Batch	Date	Batch	Date
BTEX	S 8021B	79813	2012-08-22 at 12:56	94162	2012-08-22 at 12:56
TPH DRO - NEW	S 8015 D	79795	2012-08-22 at 14:00	94141	2012-08-22 at 14:19
TPH GRO	S 8015 D	79813	2012-08-22 at 12:56	94163	2012-08-22 at 12:56

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 12082207 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: August 23, 2012 114-6401422

Work Order: 12082207 COG/Continental A State TB

Page Number: 4 of 15 Eddy Co., NM

Analytical Report

Sample: 307341 - CS-7 3' Bottom AH-9 3'

Laboratory: Lubbock								
Analysis: BTEX		Analytica	I Method:	S 8021I	3		Prep Method	: S 5035
QC Batch: 94162		Date Ana	lyzed:	2012-08	3-22		Analyzed By:	MT
Prep Batch: 79813		Sample P	Sample Preparation: 2012-08-22					MT
				RL				
Parameter	Flag	Cert		Result	Unit	5	Dilution	RL
Benzene	υ	1	<	(0.0200	mg/K	<u> </u>	1	0.0200
Toluene	U	1	<	(0.0200	mg/K_{i}	S	1	0.0200
Ethylbenzene	U	1	<	(0.0200	mg/K	5	1	0.0200
Xylene	U	1	<	(0.0200	mg/K	3	1	0.0200
						Spike	Percent	Recovery
Surrogate	Fla	g Cert	\mathbf{Result}	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		[1.78	mg/Kg	1	2.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)			1.78	mg/Kg	1	2.00	89	70 - 130

Sample: 307341 - CS-7 3' Bottom AH-9 3'

	Laboratory: Analysis: QC Batch:	Lubbock TPH DRO - 94141	NEW	An Da	alytical Meth te Analyzed:	od: S 8018 2012-0	5 D)8-22	Prep Me Analyze	thod: N/A l By: DS
na ya katala na kata	Prep Batch: Parameter	. (9,(95	Flag	Cert	nple Prepara	RL sult	Units	Dilution	1-By: DS
	DRO	<u> </u>	U	1	<5	50.0	mg/Kg	1	50.0
	Surrogate n-Tricosane	Fla	g Cert	Result 91.5	Units mg/Kg	Dilution 1	Spike Amount 100	Percent Recovery 91	Recovery Limits 70 - 130

1

Sample: 307341 - CS-7 3' Bottom AH-9 3'

Laboratory: Analysis:	Lubbock TPH GRO	Analytical Method:	S 8015 D	Pren Method:	S 5035
QC Batch:	94163	Date Analyzed:	2012-08-22	Analyzed By:	MT
Prep Batch:	79813	Sample Preparation:	2012-08-22	Prepared By:	MT

•• •	Report-Date: August-23, 2012 114-6401422		CO	Work Ord G/Contin	ler: 120822 ental A Sta	207 ate TB		Page Num Ed	ber: 5 of 15 dy Co., NM
	Parameter GRO	Flag	Cert		RL Result <4.00	Uni mg/K	ts	Dilution 1	RL 4.00
	Surrogate Triffuorotoluene (TFT)	Flag	Cert	Result	Units mg/Kg	Dilution	Spike Amount 2.00	Percent Recovery 101	Recovery Limits 70 - 130
	4-Bromofluorobenzene (4-BFB)		<u> </u>	1.96	mg/Kg	1	2.00	98	70 - 130
								1	
of at	n – nazali naman zampina provinska prva sedila prvi zampina mana se matematika zam	n i barran a charachta carachanta nairean	naríd uðð lörnað ár geðudda 2.4	er ber 14 - Bengel vol de service 1 - Hel 4500	e an ar chilir - starts and an same so	ana nakan sakabar kan - 209 awa k	ang ta con significant a stars . The	finan se Talahanda il Calinis e	leadhrann a stair an sa

114-6401422	t-23,-2012		COG/C	ork Ord Contine	ler:-120822 ental A Sta	07 te TB		Eddy Co	
Method I	Blan	ks							
Method Blank (1)	QC I	Batch: 94141							
QC Batch: 94141			Date Analy	zed:	2012-08-2	2		Analyze	ed By
Prep Batch: 79795			QC Prepar	ation:	2012-08-2	2		Prepare	ed By:
						MDI			
Parameter		Flag		Cert		Result		Units	
DRO				1		<15.3		mg/Kg	
							Spike	Parcont	Pe
							phie		ne
Surrogate	Flag	Cert	Result	Units	Dilut	ion A	Amount	Recoverv	I
Surrogate n-Tricosane	Flag	Cert	Result 85.7 r	Units mg/Kg		ion <i>I</i>	Amount 100	Recovery 86	1 7(
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813	Flag QC H	Cert Batch: 94162	Result 85.7 r Date Analy QC Prepara	Units mg/Kg zed: ation:	Dilut 1 2012-08-22 2012-08-22	2 2	Amount 100	Recovery 86 Analyzee Prepared	L 7(d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813	Flag QC I	Cert Batch: 94162	Result 85.7 r Date Analy QC Prepara	Units mg/Kg zed: ation:	2012-08-22 2012-08-22	ion A	Amount 100	Recovery 86 Analyzer Prepared	d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter	Flag QC H	Cert Batch: 94162	Result 85.7 r Date Analy QC Prepara	Units mg/Kg zed: ation: Cert	Dilut 1 2012-08-22 2012-08-22	ion A 2 2 MDL Result	Amount 100	Recovery 86 Analyzer Prepared Units	d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter Benzene Toluene	Flag QC H	Cert Batch: 94162	Result 85.7 r Date Analy QC Prepara	Units mg/Kg zed: ation: Cert	2012-08-22 2012-08-22	ion 4 22 MDL Result <0.00365 <0 00816	Amount 100	Recovery 86 Analyzea Prepared Units mg/Kg	d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter Benzene Toluene Ethylbenzene	Flag QC F	Cert Batch: 94162	Result 85.7 r Date Analy QC Prepara	zed: ation:	 2012-08-22 2012-08-22	ion 4 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Amount 100	Recovery 86 Analyzee Prepared Units mg/Kg mg/Kg mg/Kg	d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter Benzene Toluene Ethylbenzene Xylene	Flag QC H	Cert Batch: 94162 Fla	Result 85.7 r Date Analy QC Prepara g	zed: ation:	Dilut 1 2012-08-22 2012-08-22	222 MDL Result <0.00365 <0.00816 <0.00560 <0.00460	Amount 100	Recovery 86 Analyzer Prepared Units mg/Kg mg/Kg mg/Kg mg/Kg	d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter Benzene Toluene Ethylbenzene Xylene	Flag QC H	Cert Batch: 94162	Result 85.7 r Date Analy QC Prepara g	$\frac{\text{Units}}{\text{mg/Kg}}$ zed: ation: $\frac{\text{Cert}}{1}$ 1 1 1	 2012-08-22 2012-08-22	ion 4 22 22 22 23 24 24 25 25 25 20 20 20 20 20 20 20 20 20 20 20 20 20	Amount 100 Spike	Recovery 86 Analyzed Prepared Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	d By: d By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter Benzene Toluene Ethylbenzene Xylene Surrogate	Flag QC H	Cert Batch: 94162 Fla	Result 85.7 r Date Analy QC Prepara g Cērt Ra	Units mg/Kg zed: ation:	Dilut 1 2012-08-22 2012-08-22	ion 4 22 22 MDL Result <0.00365 <0.00816 <0.00560 <0.00460 Dilution	Amount 100 Spike Amount	Recovery 86 Analyzer Prepared Units mg/Kg mg/Kg mg/Kg mg/Kg Percent Recovery	L 70 d By: d By: d By: f By:
Surrogate n-Tricosane Method Blank (1) QC Batch: 94162 Prep Batch: 79813 Parameter Benzene Toluene Ethylbenzene Xylene Surrogate Trifluorotoluene (TFT	Flag QC H	Cert Batch: 94162 Fla Fla	Result 85.7 r Date Analy QC Prepara g Cert Ra	zed: ation: Cert 1 1 esult 2.10	Dilut 1 2012-08-22 2012-08-22 2012-08-22	22 MDL Result <0.00365 <0.00816 <0.00560 <0.00460 Dilution 1	Amount 100 Spike Amount 2.00	Recovery 86 Analyzer Prepared Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg 20 20 20 20 20 20 20 20 20 20	L 70 d By: d

Method Blank (1) QC Batch: 94163

QC Batch:	94163	Date Analyzed:	2012-08-22	Analyzed By:	MT
Prep Batch:	79813	QC Preparation:	2012-08-22	Prepared By:	МΤ

114-6401422		CO	Work Ord G/Contine	ler: 120822 ental A Sta	07 .te TB		Page Num Ede	ber: 7 of 15 ly Co., NM
Parameter	Flag		Cert		MDL Result		Units	RL
GRO		· · · · ·	1		<0.359	Spike	mg/Kg Percent	4 Recovery
Surrogate Trifluorotoluene (TFT) 4. Bronofluoroborgano (4. BFB)	Flag	Cert	Result 2.38	Units mg/Kg	Dilution 1	Amount 2.00	Recovery 119	Limits 70 - 130 70 - 130
			2.10	Kg		2.00	100	10 - 100
	I							
	l							
	·			* [.]	· -··	5	: 7.	
<u>.</u>				ж. т. т. т. т. т.	••••••			1 .~ 1 1. 1
	(

			COG/Co	ontinenta	al A State	ТВ		_		Eddy	Co., N
Laboratory	Contr	ol S	pike	S							
Laboratory Control Spi	ke (LCS-1)										
QC Batch: 94141 Prep Batch: 79795		${f Dat} {f QC}$	e Analyze Preparat	ed: 2(ion: 2()12-08-22)12-08-22				Analy Prepa	vzed B ared By	y: D y: D
Param	F	С	LCS Result	Unit	a Dij	Spike	M t B	latrix coult	Be	c	Rec.
DRO		1	208	mg/K	g 1	250	<	(15.3	83	<u>, , , , , , , , , , , , , , , , , , , </u>	70 - 13
Percent recovery is based o	n the spike res	ult. RPI) is based	on the	spike and	spike duplie	cate res	sult.			
		LCSD			Spike	Matrix		R	.ec.		RP
Param	F C	Result	Units	s Dil.	Amount	Result	Rec.	Li	mit	RPD	Lim
DRO	1	214	mg/K	g 1	250	<15.3	86	70 -	- 130	3	20
Percent recovery is based o	n the spike res	ult. RPI) is based	on the	spike and s	spike duplie	cate res	sult.			
	ICS	LC	2D			Sniko	τc	יפ	LCGE	`	Pag
Surrogate	Result	Res	ult	Units	Dil	Amount	Be) C	Rec	,	Timit
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4						/					
n-Tricosane	81.1	82	4 n	ng/Kg	1	100	8	1	82		70 - 13
n-Tricosane Laboratory Control Spi QC Batch: 94162	81.1 ke (LCS-1)	Bate	4 n	ng/Kg	12-08-22	100	8	1	Analyz	zed By	: M7
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813	81.1 ke (LCS-1)	Date	4 n e Analyze Preparati	ng/Kg	1 12-08-22 12-08-22	100	8	1	Analyz Prepar	zed By	: MJ
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813	81.1 ke (LCS-1)	Date	4 n e Analyze Preparati	ng/Kg	1 12-08-22 12-08-22	100	8	1	82 Analyz Prepar	zed By ed-By	: MJ
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813	81.1 ke (LCS-1)	Date	4 n e Analyze Preparati	d: 20 on:=20	1 12-08-22 12-08-22 D:'	Spike_	Mat	rix	Analyz Prepar	zed By red-By	- M7 - M7 - Rec
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene	81.1 ke (LCS-1) F	Date QC- C R	4 n e Analyze Preparati LCS esult	d: 20 d: 20 don:=20	1 12-08-22 12-08-22 Dil.	Spike Amount 2.00	Mat Res	rix ult	Analyz Prepar Rec. 90	zed By ed By 75	: M7 : M7 : M7 : M7 : M7
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene	81.1 ke (LCS-1) F	Date QC- C R	4 n e Analyze Preparati LCS 	d: 20 d: 20 don:=20 Units mg/Kg	1 12-08-22 12-08-22 Dil. 1 1	Spike Amount 2.00 2.00	Mat Res <0.00 <0.00	rix ult 0365 0816	Analyz Prepar Rec. 90 87	zed By red By 75 74	
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene	81.1 ke (LCS-1) F	Date QC- C R	Analyze Preparati LCS esult 1.79 1.74 1.74	d: 20 on:=20 Units mg/Kg mg/Kg	12-08-22 12-08-22 12-08-22 Dil. 1 1 1	Spike Amount 2.00 2.00 2.00	.Mat Res <0.00 <0.00	rix ult 0365 0816 0560	Analyz Prepar Rec. 90 87 87	zed By ed By 75 74 78	Rec. Limit .4 - 12 .9 - 12 .1 - 12
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene	81.1 ke (LCS-1) F	Date QC- C R	Analyze Preparati LCS .esult 1.79 1.74 1.74 5.19	d: 20 ion:=20 Units mg/Kg mg/Kg mg/Kg mg/Kg	12-08-22 12-08-22 12-08-22 Dil. 1 1 1 1 1	Spike Amount 2.00 2.00 6.00	.Mat Res <0.00 <0.00 <0.00 <0.00	rix ult 0365 0816 0560 0460	Analyz Prepar Rec. 90 87 87 86	zed By ed By 75 74 78 77	- MT - MT - MT - MT - Limit .4 - 12 .9 - 12 .1 - 12 .3 - 12
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based or	81.1 ke (LCS-1) F n the spike resu	Date QC- C R 1 1 1 1 1 1 1 1 1	Analyze Preparati LCS esult 1.79 1.74 1.74 5.19 is based	d: 20 d: 20 don:=20 Units mg/Kg mg/Kg mg/Kg on the	1 12-08-22 12-08-22 Dil. 1 1 1 1 1 1 1 1 5 pike and s	Spike Amount 2.00 2.00 6.00 spike duplic	Mat Res <0.00 <0.00 <0.00 <0.00	rix ult 0365 0816 0560 0460 rult.	Analyz Prepar Rec. 90 87 87 86	zed By red By 75 74 78 77	: M7 : M7 : M7 : M7 : M7 : M7 : 12 : 9 - 12 : 9 - 12 : 1 - 12 : 3 - 12
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based of	81.1 ke (LCS-1) F n the spike rest	Date QC- C R 1 1 1 1 1 LCSD	Analyze Preparati LCS esult 1.79 1.74 5.19 is based	d: 20 ion:=20 Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg on the	12-08-22 12-08-22 12-08-22 12-08-22 1 1 1 1 1 1 1 5pike and s Spike	Spike Amount 2.00 2.00 6.00 spike duplic Matrix	Mat Res <0.00 <0.00 <0.00 <0.00	rix ult 0365 0816 0560 0460 rult.	Analyz Prepar Rec. 90 87 87 86 ec.	zed By ed By 75 74 78 77	- MT - MT - MT - MT - Limit .4 - 12 .9 - 12 .1 - 12 .3 - 12 .3 - 12
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based of Param	81.1 ke (LCS-1) F n the spike resu F C	Date QC- C R 1 1 1 1 1 LCSD Result	Analyze Preparati LCS esult 1.79 1.74 1.74 5.19 is based Units	d: 20 don:=20 Units mg/Kg mg/Kg mg/Kg on the Dil.	1 12-08-22 12-08-22 Dil. 1 1 1 spike and s Spike Amount	Spike Amount 2.00 2.00 6.00 Spike duplic Matrix Result	Mat Res <0.00 <0.00 <0.00 cate res Rec.	rix ult 0365 0816 0560 0460 rult. Ra Lir	Analyz Prepar Rec. 90 87 87 86 ec. mit	zed By ed-By 75 74 78 77 8 77 8 77	- MT - Rec Limit .4 - 12 .9 - 12 .1 - 12 .3 - 12 .3 - 12 .3 - 12
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based of Param Benzene	81.1 ke (LCS-1) F n the spike resu F C	Date QC- C R 1 1 1 1 1 1 LCSD Result 1.72	4 n Analyze Preparati LCS esult 1.79 1.74 1.74 5.19 is based Units mg/Kg	d: 20 d: 20 don:=20 <u>Units</u> mg/Kg mg/Kg mg/Kg on the <u>Dil.</u> 1	1 12-08-22	Spike Amount 2.00 2.00 6.00 Spike duplic Matrix Result <0.00365	Mat Res <0.00 <0.00 <0.00 <0.00 ate res Rec. 86	rix ult 0365 0816 0560 0460 cult. Ra Lin 75.4	Analyz Prepar Rec. 90 87 87 86 ec. mit - 120	zed By red-By 75 74 78 77 8 77 8 77 8 77 4 78 77	
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based of Param Benzene Toluene Ethylbenzene	81.1 ke (LCS-1) F n the spike rest F C 1 1	Date QC- QC- I I I LCSD Result I.72 I.68	Analyze Preparati LCS esult 1.79 1.74 1.74 5.19 is based Units mg/Kg mg/Kg	d: 20 d: 20 don:=20 Units mg/Kg mg/Kg mg/Kg on the Dil. 1 1	12-08-22 12-08-22	Spike Amount 2.00 2.00 6.00 spike duplic Matrix Result <0.00365 <0.00816	Mat Res <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rix ult 0365 0816 0560 0460 0460 0460 0460 75.4 75.4	Analyz Prepar Rec. 90 87 87 86 ec. mit - 120 - 120	zed By red By 75 74 78 77 8 77 8 77 8 77 8 77 4 4	Rec
n-Tricosane Laboratory Control Spi QC Batch: 94162 Prep-Batch: 79813 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based or Param Benzene Toluene Ethylbenzene Varlanz	81.1 ke (LCS-1) F n the spike rest F C 1 1 1	Date 82 Date QC C R 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyze Preparati LCS esult 1.79 1.74 1.74 5.19 is based Units mg/Kg mg/Kg	d: 20 ion:=20 <u>Units</u> mg/Kg mg/Kg mg/Kg mg/Kg ng/Kg 1 1 1	12-08-22 200 2.000 2.000 2.000 6.000 6.000 2.000	Spike	Mat Res <0.00 <0.00 <0.00 <0.00 co.00 co.00 Rec. 86 84 84 84	rix ult 0365 0816 0560 0460 0460 0460 0460 0460 75.4 75.4 75.4 78.9 78.1	Analyz Prepar Rec. 90 87 87 86 ec. nit - 120 - 120 - 120	zed By red By 75 74 78 77 8 77 8 77 8 77 4 4 3	: M'] : M'] :- M'] :- M'] .4 - 12 .9 - 12 .1 - 12 .3 - 12 RPI Lim 20 20 20 20 20 20 20 20 20 20

Report Date: August 23, 2012 114-6401422				Work COG/Co	ontinent	: 12082207 tal A State	тв]	Page Num Ed	lber: 9 dy Co
Surrogate			L(Re:	CS L sult R	CSD esult	Units	Dil.	Spike Amoun	LCS t Rec.	LCSD Rec.	F L
Trifluorotoluene (TFT)			1.	76	1.66	mg/Kg	1	2.00	88	83	70
4-Bromofluorobenzene (4-BFB)			1.	73 1	1.67	mg/Kg	1	2.00	86	84	70
Laboratory Control Spike (I	LCS-:	1)									
OC Batch: 94163			Date	Analyze	ed: 2	012-08-22				Analyzed	Bv:
Prep Batch: 79813				Preparat	ion: 2	012-08-22				Prepared	Bv:
			4 ,0.			012 00 22				Toparoa	. 19,
Develop		T.	<u>с</u> 1		T T 34 -	- D'I	Sp	ike	Matrix	D	R
CDO		r		17.0	Units	S DII.	Am	ount	Kesult	Rec.	
GRO			1	17.9	_mg/K	.g 1	20	J.U	< 0.359	89	08.9
Percent recovery is based on the	spike	e resul	t. RPD	is based	on the	e spike and	spike o	luplicate	result.		
			LCSD			Spike	Mat	rix	B	ec.	
Param	\mathbf{F}	С	Result	Units	Dil.	Amount	Res	ult Re	c. Li	mit R	PD
GRO		1	18.2	mg/Kg	<u>t</u> 1	20.0	<0.3	359 91	68.9	- 120	2
Percent recovery is based on the	spike	resul	t. RPD	is based	on the	spike and	spike o	luplicate	result.		
v	•				~~~		1	~			-
G				JS LO	USD	TT *4	D'1	Spike		LCSD	ł
Surrogate				out Ro		Units	$\frac{DII.}{1}$	Amoun	t Rec.	104	<u>L</u>
A Bromofluorohongono (A BFB)			2.1	00 2 07 1	00	mg/Kg	1	2.00	102	104	70
			1			mg/ ng	1	2.00	30		10
Matrix Spike (MS-1) Spik	ed Sa	mple:	307341				····	:.		v	•••
QC Batch: 94141 Prep Batch: 79795	•		Date QC 1	Analyze Preparat	ed: 2 ion: 2	012-08-22 012-08-22				Analyze Prepared	d By: d By:
Param		F	C	MS Result	Unit	s Dil.	S An	pike nount	Matrix Result	Rec.	F L
			1	243	mg/k	(g 1		250	<15.3	97	70
DRO	spike	resul	t. RPD	is based	on the	spike and	spike d	luplicate	result.		
DRO Percent recovery is based on the	-						~ ~		n		
DRO Percent recovery is based on the	-	~	MSD			Spike	Ma	trix -	ĸ	ec.	
DRO Percent recovery is based on the Param	F	C	MSD Result	Units	Dil.	Spike . Amoun	Ma t Re	trix sult R	ec. Li	ec. mit Rl	PD 1

· · · · · · · · ·

Surrogate n-Tricosane	MS Result	1								
n-Tricosane	itesuit		ASD	Unite	וות	Spike A mount	M	IS	MSD Bog	Rec.
	99.0		98.1	mg/Kg	1	100		<u>a</u>	98	70 - 19
Matrix Spike (MS-1)	Spiked Sampl	.e: 3069	10							
QC Batch: 94162 Prep Batch: 79813		Da Q(te Analy C Prepara	zed: 20 ation: 20	12-08-22 12-08-22				Analyze Prepare	d By: M7 d By: M7
			MS			Spike	Mat	rix		Rec.
Param	\mathbf{F}	C	Result	Units	Dil.	Amount	Rest	ılt	Rec.	Limit
Benzene		1	1.76	mg/Kg	1	2.00	< 0.00	365	88	37.6 - 14
Toluene		1	1.96	mg/Kg	1	2.00	< 0.00	816	98	38.6 - 15
Ethylbenzene		1,	2.02	ma/Ka	1	2.00	<0.00	1560	101	367 - 17
-		1	2.02	mg/ng	-	2.00	10.00	0000	101	00.1 - 11
Xylene Percent recovery is based	on the spike res	ult. RP	6.03 PD is base	mg/Kg ed on the	1 spike and	6.00 spike duplic	<0.00 <0.00	460 ult.	101	36.7 - 17
Xylene Percent recovery is based Param	on the spike res	n 1 MSD Result	2.02 6.03 'D is base : Units	mg/Kg mg/Kg ed on the	1 spike and Spike Amount	6.00 spike duplic Matrix Result	<0.00 <0.00 ate rest	460 460 ult. Re Lin	101 100 c. nit I	36.7 - 17 36.7 - 17 RPD Lim
Xylene Percent recovery is based Param Benzene	on the spike res F C	ult. RF MSD Result 1.81	6.03 PD is base Units mg/K	mg/Kg ed on the s Dil. g 1	1 spike and Spike Amount 2.00	6.00 spike duplic Matrix Result <0.00365	<0.00 <0.00 ate rest Rec. 90	0460 0460 ult. Re Lin 37.6 -	101 100 c. nit I	36.7 - 17 36.7 - 17 RPI RPD Limi 3 20
Xylene Percent recovery is based Param Benzene Toluene	on the spike res	nult. RF MSD Result 1.81 2.03	6.03 PD is base Units mg/K mg/K	mg/Kg mg/Kg ed on the s Dil. g 1 g 1	1 spike and Spike Amount 2.00 2.00	6.00 spike duplic Matrix Result <0.00365 <0.00816	<0.00 <0.00 ate rest Rec. 90 102	9460 ult. Lim 37.6 - 38.6 -	101 100 c. nit I 142 153	36.7 - 17 RPJ RPD Lim 3 20 4 20
Xylene Percent recovery is based Param Benzene Toluene Ethylbenzene	on the spike res	1 mult. RF MSD Result 1.81 2.03 2.13	6.03 PD is base to Units mg/K mg/K mg/K	mg/Kg mg/Kg ed on the s Dil. g 1 g 1 g 1 g 1	1 spike and Spike Amount 2.00 2.00 2.00	6.00 spike duplic Matrix Result <0.00365 <0.00816 <0.00560	<0.00 <0.00 ate rest Rec. 90 102 106	9460 ult. Re Lim 37.6 - 38.6 - 36.7 -	c. nit I 142 153 172	36.7 - 17 RPI RPD Limi 3 20 4 20 5 20
Xylene Percent recovery is based Param Benzene Toluene Ethylbenzene Xylene	on the spike res F C 1 1 1 1	1 sult. RF MSD Result 1.81 2.03 2.13 6.36	6.03 PD is base to Units mg/K mg/K mg/K	mg/Kg ed on the s Dil. g 1 g 1 g 1 g 1 g 1 g 1	1 spike and Amount 2.00 2.00 2.00 6.00	6.00 spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460	<0.00 <0.00 ate rest Rec. 90 102 106 106	1460 1460 111. Re Lim 37.6 - 38.6 - 36.7 - 36.7 -	c. nit I 142 153 172 173	36.7 - 17 36.7 - 17 RPI Limi 3 20 4 20 5 20 5 20
Xylene Percent recovery is based Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based	on the spike res	MSD Result 1.81 2.03 2.13 6.36 ult. RP	6.03 PD is base mg/K mg/K mg/K PD is base	mg/Kg ed on the s Dil. g 1 g 1 g 1 g 1 g 1 ed on the	1 spike and Amount 2.00 2.00 2.00 6.00 spike and	6.00 spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460 spike duplic	<0.00 < <	1460 1460 11t. Re Lim 37.6 - 38.6 - 36.7 - 36.7 - 36.7 - 11t.	101 100 c. 1142 153 172 173	36.7 - 17 RPI <u>RPD</u> Limi <u>3</u> 20 <u>4</u> 20 <u>5</u> 20 <u>5</u> 20
Xylene Percent recovery is based Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based	on the spike res	nult. RF MSD Result 1.81 2.03 2.13 6.36 ult. RP	6.03 PD is base to Units mg/K mg/K mg/K PD is base MS	mg/Kg mg/Kg ed on the g 1 g 1 g 1 g 1 ed on the MSD	1 spike and Amount 2.00 2.00 2.00 6.00 spike and	6.00 spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460 spike duplic SI	 <0.00 <0.00 ate rest 90 102 106 106 ate rest sike 	1460 1460 11t. Re Lim 37.6 - 38.6 - 36.7 - 36.7 - 10t. MS	101 100 c. 1142 153 172 173 MSI	36.7 - 17 <u>36.7 - 17</u> <u>RPD Limi</u> <u>3 20</u> <u>4 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u>
Xylene Percent recovery is based Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based Surrogate	on the spike res	nult. RF MSD Result 1.81 2.03 2.13 6.36 ult. RP	6.03 2D is base 2D is base mg/K mg/K mg/K 2D is base MS Result	mg/Kg mg/Kg ed on the g 1 g 1 g 1 g 1 ed on the MSD Result	1 spike and Amount 2.00 2.00 2.00 6.00 spike and Units	6.00 spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460 spike duplic SI Dil. Am	 <0.00 <0.00 ate rest 90 102 106 106 106 ate rest sike ount	0460 ult. Re Lin 37.6 - 38.6 - 36.7 - 36.7 - ult. MS Rec.	101 100 c. nit I 142 153 172 173 MSI Rec.	36.7 - 17 <u>36.7 - 17</u> <u>RPD Limi</u> <u>3 20</u> <u>4 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u> <u>5 20</u>
Xylene Percent recovery is based Param Benzene Toluene Ethylbenzene Xylene Percent recovery is based Surrogate Trifluorotoluene-(TFT)	on the spike res	i sult. RF MSD Result 1.81 2.03 2.13 6.36 ult. RP	6.03 D is base mg/K mg/K mg/K mg/K mg/K D is base MS Result 1.84	mg/Kg mg/Kg ed on the g 1 g 1 g 1 g 1 g 1 ed on the MSD Result 1.94	1 spike and Amount 2.00 2.00 2.00 6.00 spike and Units mg/Kg	6.00 spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460 spike duplic SI Dil. Am 1	<pre><c< pre=""></c<></pre> <pre><c< pre=""> <pre><c< pre=""> <pre>Rec</pre> <pre>90</pre> <pre>102</pre> <pre>106</pre> <pre>106</pre> <pre>106</pre> <pre>ate rest</pre> ount</c<></pre> 2</c<></pre>	AGO 460 ult. Re Lim 37.6 - 38.6 - 36.7 - 36.7 - 36.7 - ult. MS Rec. 92	101 100 c. nit I 142 153 172 173 MSI Rec. 97	36.7 - 17 <u>36.7 - 17</u> <u>RPI Limi</u> <u>3 20</u> <u>4 20</u> <u>5 20</u> <u>5</u>

. . .

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: August 23, 2012 114-6401422	c	Wo COG/0	ork Or Contin	Page Number: 11 of 15 Eddy Co., NM								
Param GRO	F		MSD Result 21.1	Un mg/	its 'Kg	Dil.	Spike Amount 20.0	Matri Resu 1.92	x lt Rec. 96	Rec. Limit 68.9 - 1		RPD D Limit 20
Percent recovery is based on the s	spike	resu	lt. RPD	is bas	sed on	the	spike and	spike du	iplicate r	esult.		
-	-		M	rc	MGI	h		1	Smiles	MG	MGD	Pee
Surrogate			Res	sult	Resu) lt	Units	Dil.	Amount	MS Rec.	MSD Bec.	Limit
Trifluorotoluene (TFT)			1.8	88	1.82	2	mg/Kg	1	2	94	91	70 - 130
4-Bromofluorobenzene (4-BFB)			2.4	44	2.36	5	mg/Kg	1	2	122	118	70 - 130
							1					
· ·									•			

.

Report Date: August 23, 2012	Work Order:-12082207	Page-Number:-12 of 15
114-6401422	COG/Continental A State TB	Eddy Co., NM

Calibration Standards

QC Batch: 9	4141		Date A	nalyzed:	2012-08-22		Analy	zed By:
			1	COV	0017-	COV-	Demonst	
				UU VS	CCVs Escend	CCVs	Percent	D.
Denom	Flor	Cont	Thite	Game	Found	Percent	Recovery	
	Flag	Cert	ma/Ka	250	200			Ana
							00 - 120	2012
Standard (C	CV-2)							
QC Batch: 9	4141		Date A	nalyzed:	2012-08-22		Analy	zed By:
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	D
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Ana
DRO	0	1	mg/Kg	250	236	94	80 - 120	2012
Standard (C	CV-1)							
			Date A	nalyzed: 2	012-08-22		Analyz	zed By:
QC Batch: 9	4162		and a second			na na sense a sense vanja sense i sense i sense da se segara da de sense da sense da sense da sense da sense d		New Contraction of the second s
QC Batch: 9	4162	alanan ana isang separatan kana selah kangkanan ang		CCVs	CCVs	CCVs	Percent	
QC Batch: 9	4162			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	D
QC Batch: 9	4162 FI	ag Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	D Ana
QC Batch: 9 Param Benzene	4162 FI	ag Cert	Units mg/kg	CCVs True Conc. 0.100	CCVs Found Conc. 0.0865	CCVs Percent Recovery 86	Percent Recovery Limits 80 - 120	D Ana 2012
QC Batch: 9 Param Benzene Toluene	4162 Fl	ag Cert	Units_ mg/kg mg/kg	CCVs True Conc. 0.100 0.100	CCVs Found Conc. 0.0865 0.0852	CCVs Percent Recovery 86 85	Percent Recovery Limits	D Ana 2012 2012
QC Batch: 9 Param Benzene Toluene Ethylbenzene	4162 Fl	ag Cert 1 1 1	Units_ mg/kg mg/kg mg/kg	CCVs True Conc. 0.100 0.100 0.100	CCVs Found Conc. 0.0865 0.0852 0.0860	CCVs Percent Recovery 86 85 85 86	Percent Recovery Limits 80 - 120 80 - 120 80 - 120	D Ana 2012 2012 2012

Standard (CCV-2)

QC Batch: 94162

Date Analyzed: 2012-08-22

Analyzed By: MT
Report Date: August 114-6401422	23, 2012		CO	Work Ord OG/Contine	er: 12082207 ntal A State 5	ГВ	Page Nu	mber: 13 of 15 Eddy Co., NM
D	Die -	Cont	TT-:4-	CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Cert	Units	0 100		Recovery	Limits	Analyzed
Teluene		1	mg/kg	0.100	0.0800	80	80 - 120	2012-08-22
Fthulbengono		1	mg/kg	0.100	0.0640	04 92	80 - 120 80 - 120	2012-00-22
Xylene		1	mg/kg	0.300	0.248	83	80 - 120	2012-08-22
Standard (CCV-3)					2010 02 08			
QC Batch: 94162			Date A	analyzed:	2012-08-22		Analy	zed By: MT
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		1	mg/kg	0.100	0.0874	87	80 - 120	2012-08-22
Toluene		1	mg/kg	0.100	0.0851	85	80 - 120	2012-08-22
Ethylbenzene		1	mg/kg	0.100	0.0846	85	80 - 120	2012-08-22
Xylene		1	mg/kg	0.300	0.251	84	80 - 120	2012-08-22
Standard (CCV-1) QC Batch: 94163 Param F GRO	lag	Cert	Date A Units mg/Kg	Analyzed: 2 CCVs True Conc. 1.00	2012-08-22 CCVs Found Čonc. 0.851	CCVs Percent Recovery 85	Analy Percent Recovery Limits 80 - 120	zed By: MT Date Analyzed 2012-08-22
Standard (CCV-2)								
QC Batch: 94163			Date A	nalyzed: 2	2012-08-22		Analy	zed By: MT
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param F	lag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed

. . .

.

114-6401422	August 23, 2	U1Z	c	WORK Orde	ntal A State	ТВ	Page-Nu	mber: 14 of 1 Eddy Co., NI
Standard (C	CV-3)							
QC Batch: 9	4163		Date	Analyzed:	2012-08-22		Analy	zed By: MT
Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		1	mg/Kg	1.00	0.867	87	80 - 120	2012-08-2
		n had mit i dag a san kang i ay nga kang mang mang pangan kang sa			а сполоти и разви и на сала и то зайда парата с то служит те пода адеритра с адерит в база и то сала и разви с то с от стати та сото с	י השליב או יו איז	ka (nin) y muju na mana ang mana kana ang mana kana na mana kana na mana kana na mana kana na mang kana na man Pang tahun kana na mang na mang kana na mang k	
u un sus altra l'ar departe altra a como c		a an chair an phatair actu		federing and a second constant of the second second	ander the second se	una mandre a a mandre en de anteresta de la característica de la característica de la característica de la cara	uri-sent San Ja, maarii maamad ku ini taabaaggii aha gaadha gaada ah	1999 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -
]					
			ļ					

Report Date: August 23, 2012 114-6401422

Work Order: 12082207 COG/Continental A State TB

Page Number: 15 of 15 Eddy Co., NM

and a second second

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

	Certifying	Certification	Laboratory
С	Authority	Number	Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-12-8	Lubbock

Standard Flags

- F Description
- B Analyte detected in the corresponding method blank above the method detection limit
- H Analyzed out of hold time
- J Estimated concentration
- Jb The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
- Je Estimated concentration exceeding calibration range.
- Qc Calibration check outside of laboratory limits.
- Qr RPD outside of laboratory limits
- Qs Spike recovery outside of laboratory limits.
- Qsr Surrogate recovery outside of laboratory limits.
- U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

	20 20	~~~		yu) L			/						12		uy	–				u								A	NAL	YSI	S RI	EQL	JES ¹	Γ 1 Νο).)		•		
	AE:					1 N (4	910 lidla 32) 6 SITE	N. and B2-	Bi , T 455	g S exa 9 •	Pring s 79 ax (4	g S 97(.32)	St. 05) 682	-394	6			RS		PR	ESE	RVA			CY1005 (Evt to C36)		Ba Cd Cr Pb Hg Se	Ba Cd Vr Pd Hg Se)/624	0/625					~	, pH, TDS			
PROJECT N	0.:		PRO	JECT	NAN			LKe		ava	re.							NTAINE	┝	Τ	ME		T	_	Ĩ		g As I	g As I	411.00		0/8260	ol. 827	_					ations			
114-6	40142	z	 		5G (/ C.	ontin El	ent	al	A	Sta	ate	<u> </u>	3				OF CO	N)					(at			tals A	tals A	atiles		ol. 824	emi. Vo	30/608	/608	000	ta (Air)	estos)	ons/C			
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP. GRAB			6	g	GAN	IPLE	IDEN	ITIF	FICAT	ION				NUMBER	FILTEREC		SOMU-	ICE	NONE	RTEX 802	HOL HOL	PAH 8270	RCRA Me	TCLP Me	TCLP Vol	BCI 10	GC.MS V	GC.MS S	PCB's 80	Pest. 808	Chloride Gamma o	Aloha Be	PLM (Ast	Major An			
307341-	8/20		3	X	-0	6-	7-	5	_/	Rol	lom			H- 1	२	 رح		1			-[5		X		$\overline{\langle}$					1-	-	-			-					
					·								-		- I	<u> </u>		Í	-†						╀	1	\uparrow									1	1				
																			-†	╈	\dagger	+	╈	\uparrow	\dagger	+	╈		+	╋	┼╴			-†		╈	+		╞╌┦		
			$\left - \right $	+-						·· •								┢┤	+	╉	╉	+	╉	-	╉	+	╉	$\left \cdot \right $	╉	+	-			-+		╉	╀╴	┼╴	┝┤	+	
	···		┝╌┼											-				+	-+	╋	+	-+	+		╇	+-	+	┡╌╢	+	╇	╞	\vdash	-	-	-	╇	┾	╂─	┼╴┧	-	
			┢╌┼																	_	_		_	4	-		\downarrow	┝╌┤			+-			\downarrow		+	+	-	$\left \cdot \right $	-	_
		L																	_									\square		\perp				\rightarrow		1	1			\square	_
																																			ŀ						
				T							and and function of the second se																								1						
		[1																╎					╋		\uparrow		T	\uparrow	\dagger			1	-li						
			$\uparrow \uparrow$													<u></u>		+	-†	+	╋	-+	+		╉	╈	╉	┼╌┦	+	+-	+-			+	-ti	+	┼─	\uparrow	$\uparrow \uparrow$	+	-
RELINQUISHED	BY: (Signatu	rel V		Ł	Date		अंद	力	6	-1	REGEN	/ED	BY: (Si	gnatur	7					Dat	e: _	5 4	21	13	L	ŝ	AMP		Y: (Pr	int &	Initia		1		<u>i I</u> i		Date	 :2	<u>-//</u>	ej i	2
RELINQUISHED	BY: (Signatu	e Al	<u> </u>		Date Time	»:	10			-	RECEIV	/ED	BY: (Si	gnatur	e)					Dai	e: _	-{		<u></u>		s	AMP	LE SH EX	IPPE	D BY:	(Circ BL	le) IS				AIF	RBILL	. #:			
RELINQUISHED	BY: (Signatu	re)			Date	» »				-	RECEN	/ED	BY: (Si	gnatur	e)	<u></u>				Dai	e:					- €	HAN	D DEI	IVER	ED NTAC	UF T PE	S RSON	1:	<u> </u>		ОТ	HER	sults	s by:		
	ORATORY:	- Trac	ر	4		710				R	ECERTE	Ł		ature)	1	P.												II	r	Ta V.	are	2			1		RL	JSH (Charg	es	
CONTACT:	TION WHEN	BECEIVED:		PHON	ε: Γ	BEI	ARK	 }:		_ D.	<u></u>		\geq	Ũ	U	μO			1E:	Û.	\geq	2			==		-77							- <i>Г</i>			Ł	Yes	\mathbf{i}		No
Intact (R2)2	.112:	3_							Ì	م مرجعه بالج	•		·			<u> </u>				1	, 	1				F	-)	-	7	[A	9	3	4	\mathcal{O}	(Y				

Report Date:	August 23, 2012	Work Order	: 12082011	Page	Number: 1 of 1
		Summary I	Report		
			L		
Ike Tavarez				Report Date: Aug	ust 23, 2012
1910 N. Big S Midland, TX	pring Street 79705			Work Order: 1208	2011
					HAN STAL I BAN
Project Locat Project Name Project Numb	ion: Eddy Co., NM :: COG/Continental A St per: 114-6401422	ate TB		T 1880 E 11916 BBI E E E E E E E E E E E E E E E E E E	101 131 134 134
Project Locat Project Name Project Numb	ion: Eddy Co., NM :: COG/Continental A St per: 114-6401422	ate TB	Date	Time	Date
Project Locat Project Name Project Numb Sample	ion: Eddy Co., NM :: COG/Continental A St per: 114-6401422 Description	ate TB Matrix	Date Taken	Time Taken	Date Received
Project Locat Project Name Project Numb Sample 307203	ion: Eddy Co., NM :: COG/Continental A St per: 114-6401422 Description CS-6 Bottom 3' (AH-2)	ate TB Matrix soil	Date Taken 2012-08-17	Time Taken 00:00	Date Received 2012-08-20
Project Locat Project Name Project Numb Sample 307203	ion: Eddy Co., NM :: COG/Continental A St per: 114-6401422 Description CS-6 Bottom 3' (AH-2)	ate TB Matrix soil T	Date Taken 2012-08-17 TPH DRO - NEW DRO	Time Taken 00:00	Date Received 2012-08-20 TPH GRO GRO
Project Locat Project Name Project Numb Sample 307203	ion: Eddy Co., NM :: COG/Continental A St per: 114-6401422 Description CS-6 Bottom 3' (AH-2) d Code	ate TB Matrix soil T	Date Taken 2012-08-17 TPH DRO - NEW DRO (mg/Kg)	Time Taken 00:00	Date Received 2012-08-20 TPH GRO GRO (mg/Kg)
Project Locat Project Name Project Numb Sample 307203 Sample - Fielo 307203 - CS	ion: Eddy Co., NM :: COG/Continental A St ber: 114-6401422 Description CS-6 Bottom 3' (AH-2) 1 Code -6 Bottom 3' (AH-2)	ate TB Matrix soil T	Date Taken 2012-08-17 PH DRO - NEW DRO (mg/Kg) <50.0	Time Taken 00:00	Date Received 2012-08-20 TPH GRO GRO (mg/Kg) <4.00
Project Locat Project Name Project Numb Sample 307203 Sample - Field 307203 - CS	ion: Eddy Co., NM :: COG/Continental A Store: 114-6401422 Description CS-6 Bottom 3' (AH-2) A Code -6 Bottom 3' (AH-2)	ate TB Matrix soil T	Date Taken 2012-08-17 PH DRO - NEW DRO (mg/Kg) <50.0	Time Taken 00:00	Date Received 2012-08-20 TPH GRO GRO (mg/Kg) <4.00

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.



Project Location:Eddy Co., NMProject Name:COG/Continental A State TBProject Number:114-6401422

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
 Sample	Description	Matrix	Taken	Taken	Received
 307203	CS-6 Bottom 3' (AH-2)	soil	2012-08-17	00:00	2012-08-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

.

Dr. Blair Leftwich, Director Dr. Michael Abel, Project Manager

Report Contents

Case Narrative		3
Analytical Report Sample 307203 (CS-6 Bottom 3' (AH-2	2))	4 4
Method Blanks		5
${ m QC}$ Batch 94083 - Method Blank (1) . ${ m QC}$ Batch 94163 - Method Blank (1) .		5 5
Laboratory Control Spikes		6
QC Batch 94083 - LCS (1)	· · · · · · · · · · · · · · · · · · ·	6
QC Batch 94163 - LCS (1)		6
QC Batch 94083 - MS (1)		7
QC Batch 94163 - MS (1)		7
Calibration Standards		8
QC Batch 94083 - CCV (1)		8
QC Batch 94083 - CCV (2)		8
QC Batch 94083 - CCV (3)		8
QC Batch 94163 - $CCV(1)$		8
QC Batch 94163 - CCV (2)		8
QC Batch 94163 - CCV (3)		9
Appendix		10
Report Definitions		10
Laboratory Certifications	· · · · · · · · · · · · · · · · · · ·	10
Standard Flags		10
Attachments		10 .
		م ومعالم • معاور را الحور ه

Page 2 of 10

Case Narrative

Samples for project COG/Continental A State TB were received by TraceAnalysis, Inc. on 2012-08-20 and assigned to work order 12082011. Samples for work order 12082011 were received intact at a temperature of 7.5 C.

Samples were analyzed for the following tests using their respective methods.

		Prep	Prep	\mathbf{QC}	Analysis
Test	Method	Batch	Date	Batch	Date
TPH DRO - NEW	S 8015 D	79749	2012-08-20 at 08:00	94083	2012-08-21 at 08:25
TPH GRO	S 8015 D	79813	2012-08-22 at 12:56	94163	2012-08-22 at 12:56

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 12082011 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

AND THE A DESCRIPTION OF A DESCRIPTION OF

Page 3 of 10

Analy	tical Re	port		,					
Sample: 30	7203 - CS-6 Bott	om 3' (A	H-2)						
Laboratory: Analysis: QC Batch: Prep Batch:	Midland TPH DRO - NEV 94083 79749	J	Ana Dat San	lytical Met e Analyzed ple Prepar	thod: S l: 2 ration: 2	8015 D 012-08-21 012-08-20		Prep Metl Analyzed Prepared	hod: By: By:
Paramatar		Flor	Cort	g	RL	Tinit		Dilution	
DRO		r iag	Cert 2		$\frac{1}{50.0}$	mg/Ke	5 7	1	
Surrogate n-Tricosane	Flag	Cert	Result 119	Units mg/Kg	Dilu 1	tion Am	ount 00	Recovery 119	L 70
Sample: 30 Laboratory:	7203 - CS-6 Bott Lubbock	om 3' (Al	H-2)						
Analysis: QC Batch: Prep Batch:	TPH GRO 94163 79813		Analytics Date Ans Sample F	al Method: alyzed: Preparation	S 8015 2012-0 :: 2012-0	5 D)8-22)8-22		Prep Metho Analyzed By Prepared By	d: y: y:
					RL				
Parameter		Flag	Cert	R	esult	Units	5	Dilution	
Surrogate Trifluorotolue 4-Bromofluor	ene (TFT) obenzene (4-BFB)	Fla	g Cert.	Result 2.26 2.02	Units mg/Kg mg/Kg	Dilution 1 1	Spike Amount 2.00 2.00	Percent Recovery 113 101	Re L 70 70

.....

Report Date: August 114-6401422	23, 2012	CO	Work-Orc G/Contine	ler:—120820 ental A Sta	1-1 te TB	- 2011-2014 - 20	Page Num Ed	ber: 5 of 1 ldy Co., NI
Method E	Blanks							
Method Blank (1)	QC Batch: 94083	1						
QC Batch: 94083 Prep Batch: 79749		Date Ar QC Prej	alyzed: paration:	2012-08-21 2012-08-20	L)		Analyzed Prepared	l By: CW l By: CW
					MDL	r		
Parameter	Flag		Cert		Result		Units	R
DRO			2		<14.5		mg/Kg	5(
Surrogate	Flag Cert	Result	Units	Dilut	ion	Spike Amount	Percent Recovery	Recover, Limits
n-Tricosane		113	mg/Kg	1		100	113	70 - 130
Method Blank (1) QC Batch: 94163 Prep Batch: 79813	QC Batch: 94163	Date Ar QC Prej	alyzed: paration:	2012-08-22 2012-08-22	2		Analyzec Prepared	ł By: MT ł By: MT
Parameter	Flag		Cert		MDL Result		Units	וק
GRO	1' IAG		1		<0.359		mg/Kg	
						Spike	Percent	Recover
Surrogate	Flag	g Cert	Result	Units	Dilution	n Amount	Recovery	Limits
Trifluorotoluene (TFT)		2.38	mg/Kg	1	2.00	119	70 - 130
4-Bromofluorobenzene	(4-ВГВ)		2.15	mg/Kg	T	2.00	108	70 - 130

Report Date: August 23, 2012 114-6401422 Work Order: 12082011 COG/Continental A State TB Page Number: 6 of 10 Eddy Co., NM

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

Prep Batch: 79749			QC Pi	Analyzed: reparation:	2011 2011	2-08-21 2-08-20			1	Prepa	zed By red By	7: CW 7: CW
Param	न			LCS	Units	Dil.	Spike Amoun	Ma t Re	atrix esult	Re	c.	Rec. Limit
DRO			2	220 n	ng/Kg	; 1	250	<	14.5	88	8	70 - 130
Percent recovery is based on	the spike re	sult.	RPD i	s based on	the s	pike and s	pike duplic	cate resu	ılt.			
·	•	T			-		Madailar		D.			חחח
Param	F (1 7 r	Regult	Unite	Dil	Amount	Result	Roc	Re Lir	ec. nit	מפק	KPD Limit
DBO	r v		239	mg/Kg	1	250	<14.5	96	70 -	130	8	20
	41	• 	<u>200</u>	- 1 1	41	.:1 1			.14	100		20
Percent recovery is based on	tne spike re	suit.	RPD 1	s based on	tne sj	pike and s	pike dupik	cate resu	117.			
	LCS		LCSE)			Spike	\mathbf{LC}	S	LCSI)	Rec.
Surrogate	Resul	t	Resul	t Uni	ts	Dil.	Amount	Rec	. .	Rec.		Limit
n-Tricosane	118		126	mg/	Kg	1	100	118	3	126		70 - 130
Laboratory Control Spike QC Batch: 94163	e (LCS-1)		Date A	Analyzed:	2015	2-08-22				Analy	zed By	y: MT
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813	e (LCS-1)		Date A	Analyzed: reparation:	2011 	2-08-22 2-08-22	17.10 ⁻¹⁷ 20 ⁻¹ 11 - 1		1	Analy: Prepa	zed By red=By	y: MT 7: MT
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813	e (LCS-1)	· · · · ·	Date A QC Pr	Analyzed: reparation: CS	201: ≈-201:	2-08-22 2-08-22	Spike.		rix	Analy: Prepa	zed By red ⁻ By	y: MT MT Rec.
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param	e (LCS-1) F		Date A QC-Pr L C Re	Analyzed: reparation: CS ssult U	2015 2015 2015	2-08-22 2-08-22 Dil.	Spike Amount	MatRes	rix ult	Analy: Prepa Rec.	zed By red ⁻ By	y: MT : MT Rec. Limit
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO	e (LCS-1) F		Date A QC Pr L C Re	Analyzed: reparation: CS esult U 7.9 m	2011 2011 2015 Juits g/Kg	2-08-22 2-08-22 Dil. 1	Spike Amount 20.0	Mat Res <0.3	rix ult 359	Analy Prepa Rec. 89	zed By red ⁻ By 68	y: MT : MT Rec. Limit 3.9 - 120
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on	e (LCS-1) F the spike re		Date A QC Pr L C Re 1 RPD is	Analyzed: reparation: Sult U 7.9 m s based on	2015 2015 Juits g/Kg the sp	2-08-22 2-08-22 Dil. 1 pike and s	Spike Amount 20.0 pike duplic	Mat Res <0.3	rix ult 359 ılt.	Analy Prepa Rec. 89	zed By red ⁻ By 68	y: MT - MT - Rec. Limit 3.9 - 120
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on	e (LCS-1) F the spike rea		Date A QC-Pr L C Re RPD is	Analyzed: reparation: CS ssult U 7.9 m s based on	201: 201: Jnits g/Kg the sp	2-08-22 2-08-22 Dil. 1 Dike and s	Spike Amount 20.0 pike duplic Matrix	Mat Res <0.3 :ate resu	rix ult 359 ılt. Bei	Analy Prepar Rec. 89	zed B3 red ⁻ By 68	y: MT Rec. Limit 3.9 - 120 RPD
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on Param	e (LCS-1) F the spike re F C	C 1 sult.	Date A QC-Pr L C Re 1 RPD is CSD esult	Analyzed: reparation: CS sult U 7.9 m s based on Units	201: 201: Juits g/Kg the sp Dil.	2-08-22 2-08-22 Dil. 1 Dike and s Spike Amount	Spike Amount 20.0 pike duplic Matrix Result	Mat Ress <0.3 rate resu Rec.	rix ult 359 ılt. Rea Lim	Analy: Prepar Rec. 89 c. uit	zed By red ⁻ By 68 RPD	y: MT -Rec. Limit 3.9 - 120 RPD Limit
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on Param GRO	e (LCS-1) F the spike rea F C	C 1 sult. L R	Date A QC Pr L C Re 1 RPD is CSD esult 18.2	Analyzed: reparation: CS esult U 7.9 m s based on Units 1 mg/Kg	2015 2015 Juits g/Kg the sp Dil. 1	2-08-22 2-08-22 Dil. 1 pike and s Spike Amount 20.0	Spike Amount 20.0 pike duplic Matrix Result <0.359	Mat Res <0.3 sate resu Rec. 91	rix ult 359 ılt. Rea Lim 68.9 -	Analy: Prepa Rec. 89 c. iit 120	zed By red ⁻ By 68 RPD 2	y: MT
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on Param GRO Percent recovery is based on	F the spike res F the spike res	C 1 sult. L R sult.	Date A QC Pr L C Re C Re CSD esult 18.2 RPD is	Analyzed: reparation: CS <u>esult U</u> 7.9 m s based on Units mg/Kg s based on	2015 2015 Inits g/Kg the sp Dil. 1 the sp	2-08-22 2-08-22 Dil. 1 pike and s Spike Amount 20.0 pike and s	Matrix Result 20.359 pike duplic	Mat Res <0.3 ate resu Rec. 91 ate resu	rix ult 359 ılt. Red Lim 68.9 - ılt.	Analy: Prepa Rec. 89 c. iit 120	zed By red ⁻ By 68 RPD 2	y: MT - MT Limit 3.9 - 120 RPD Limit 20
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on Param GRO Percent recovery is based on Param GRO Percent recovery is based on	$\frac{F}{F}$ the spike real the spike real	C 1 sult. L R 1 sult.	Date A QC Pr L C Re CSD esult 18.2 RPD is LCS	Analyzed: reparation: Sult U 7.9 m s based on Units m mg/Kg s based on S LCSI	2012 2012 2012 $Jnits$ g/Kg the sp $Dil.$ 1 the sp Dil	2-08-22 Dil. 1 Dike and s Spike Amount 20.0 Dike and s	Spike Amount 20.0 pike duplic Matrix Result <0.359 pike duplic Sp	Mat Res <0.: eate resu Rec. 91 eate resu ike	rix ult 359 ılt. <u>Lim</u> 68.9 - ılt. LCS	Analy: Prepa Rec. 89 c. úit 120	zed By red ⁻ By 68 <u>RPD</u> 2 SD	y: MT -Rec. Limit 3.9 - 120 RPD Limit 20 Rec.
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on Param GRO Percent recovery is based on Surrogate	$\frac{F}{F}$ the spike real the spike real	C 1 sult. L R sult.	Date A QC Pr L C Re 1 RPD is cSD esult 18.2 RPD is LCS Resu	Analyzed: reparation: ssult U 7.9 m s based on Units mg/Kg s based on S LCSI lt Resul	201 201 201 $\frac{1}{2}$ $\frac{1}{1}$	2-08-22 Dil. 1 Dike and s Spike Amount 20.0 Dike and s Units	Spike Amount 20.0 pike duplic Matrix Result <0.359 pike duplic Sp Dil. Amo	Mat Res <0.3 sate resu Rec. 91 sate resu ike ount	rix ult 359 ılt. Eim 68.9 - ılt. LCS Rec.	Analy: Prepar Rec. 89 c. iit 120 LCS Re	zed By red ⁻ By 68 <u>RPD</u> 2 SD c.	y: MT -Rec. Limit 3.9 - 120 RPD Limit 20 Rec. Limit
Laboratory Control Spike QC Batch: 94163 Prep-Batch: 79813 Param GRO Percent recovery is based on Param GRO Percent recovery is based on Surrogate Trifluorotoluene (TFT)	$\frac{F}{F}$ the spike results for the spike r	C 1 sult. L R sult.	Date A QC Pr L C Re 1 RPD is CSD esult 18.2 RPD is LCS Resu 2.05	Analyzed: reparation: CS esult U 7.9 m s based on Units m g/Kg s based on b LCSI lt Resul 5 2.08	2015 2015 Units g/Kg the sp Dil. 1 the sp t t	2-08-22 2-08-22 Dil. 1 pike and s Spike Amount 20.0 pike and s Units g/Kg	Spike Amount 20.0 pike duplic Matrix Result <0.359 pike duplic Sp Dil. Amo 1 2.	Mat Ress <0.3 ate resu Rec. 91 sate resu ike ount 00	rix ult 359 ılt. Rea Ilt. LCS Rec. 102	Analys Prepar Rec. 89 c. iit 120 LCS Re 10	zed By red ⁻ By 68 <u>RPD</u> 2 SD c. 4	y: MT - Rec. Limit 3.9 - 120 RPD Limit 20 Rec. Limit 70 - 130

| QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD MSD MSD MSD MSD MSD MSD MSD MSD QC Preparated
 | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed B;
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike Matrix Rec. Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result NSD Spike Matrix Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD MSD MSD MSD NS MSD Rec. Rec. | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. MS MSD Spike MS MSD Spike | Matrix Spike (MS-1) Spike Sample Softward QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250
 | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By MS Spike Matrix Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Param F C Result Units Dil. Amount Rec. Matrix Spike (MS-1) Spiked Sample: 306910 QC </th <th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg<th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 Date Analyzed: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. <tr< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike Matrix Rec. Rec. Rec. Rec. Rec. Rec. Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD MSD MSD MSD MSD Spike Rec. Rec. Rec. Rec. Rec. Rec.<</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike duplicate result. Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117<</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparad Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115</th><th>Matrix Spike (MS-1) Spikel Sample Softser QC Batch: 94083 Date Analyzed: 2012-08-20 Analyzed By Prep Batch: 79749 MS Spike Matrix Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 <td< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Res
 Imit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Resul</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed B;
Preparad B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike Rec. Rec. Rec. Rec. Rec. R</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD 100 115 117 Matrix Spike (MS-1)<!--</th--><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Resc. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. Rec. <</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Result</th></th></td<></th></tr<></th></th> | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 Date Analyzed: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. <tr< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike Matrix Rec. Rec. Rec. Rec. Rec. Rec. Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD MSD MSD MSD MSD Spike Rec. Rec. Rec. Rec. Rec. Rec.<</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent
recovery is based on the spike result. RPD is based on the spike duplicate result. Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117<</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparad Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115</th><th>Matrix Spike (MS-1) Spikel Sample Softser QC Batch: 94083 Date Analyzed: 2012-08-20 Analyzed By Prep Batch: 79749 MS Spike Matrix Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 <td< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Res Imit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Resul</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed B;
Preparad B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike Rec. Rec. Rec. Rec. Rec. R</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD 100 115 117 Matrix Spike (MS-1)<!--</th--><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Resc. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. Rec. <</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Result</th></th></td<></th></tr<></th>
 | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 Date Analyzed: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. <tr< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike Matrix Rec. Rec. Rec. Rec. Rec. Rec. Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD MSD MSD MSD MSD Spike Rec. Rec. Rec. Rec. Rec. Rec.<</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike duplicate result. Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117<</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparad Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115</th><th>Matrix Spike (MS-1) Spikel Sample Softser QC Batch: 94083 Date Analyzed: 2012-08-20 Analyzed By Prep Batch: 79749 MS Spike Matrix Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 <td< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Res Imit RPD DRO 2
 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Resul</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed B;
Preparad B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike Rec. Rec. Rec. Rec. Rec. R</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD 100 115 117 Matrix Spike (MS-1)<!--</th--><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Resc. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. Rec. <</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Result</th></th></td<></th></tr<> | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike Matrix Rec. Rec. Rec. Rec. Rec. Rec. Rec. | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD MSD MSD MSD MSD Spike Rec. Rec. Rec. Rec. Rec. Rec.< | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike duplicate result. Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec.
Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117<
 | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparad Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115
 | Matrix Spike (MS-1) Spikel Sample Softser QC Batch: 94083 Date Analyzed: 2012-08-20 Analyzed By Prep Batch: 79749 MS Spike Matrix Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 <td< th=""><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Res Imit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec.</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Resul</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed B;
Preparad B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike Rec. Rec. Rec. Rec. Rec. R</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD 100 115 117 Matrix Spike (MS-1)<!--</th--><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Resc. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. Rec. <</th><th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Result</th></th></td<>
 | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Result Res Param F C Result Units Dil. Amount Res Imit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Resul | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed B;
Preparad B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike Rec. Rec. Rec. Rec. Rec. R | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the
spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD 100 115 117 Matrix Spike (MS-1) </th <th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Resc. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. Rec. <</th> <th>QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result Result</th> | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Prepared By Param F C Result Units Dil. Amount Result Res DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Resc. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. Rec. < | QC Batch: 94083
Prep Batch: Date Analyzed: 2012-08-21
QC Preparation: Analyzed By
Preparation: Param F C Result Units Dil. Amount Result |
|---
--|--|--
--
--

--
--
--
--|---|--
--

--
--
---|---|---|---
--|--|---|
| QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed by Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Result Resul
 | QC Batch: 94083 Date Analyzed: 2012-08-20 Analyzed by Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Result Resul | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Resc. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Surogate MS MSD Spike MS MSD Surogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 QC Preparation: 2012-08-22 Analyzed By | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Result Resul | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Result Resul

 | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Percent recovery is based on the spike result. Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD NS MSD NS MSD NS MSD Spike MS

 | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Percent Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD Spike MS MSD Spike MS MSD Spike MS MSD Spike MS MSD Spike Matrix Rec. Natrix Rec. Rec. Rec. Rec. Rec. <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Prepared By DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Surgate result Surgate result MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n=Tricosane 115 117 mg/Kg</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Percent By DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Result Surrogate Result Units Dil. Amount Rec. Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike Matrix Rec. Rec. Rec.</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Percent Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Reput DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike Matrix Rec. Rec. Rec. Rec. Rec. Rec. Rec. Rec. Rec.</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 <td< th=""><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Prepared By DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD 100</th><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec.</th></td<><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation:
 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115</th><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed B; Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result</th><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result</th><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 MS QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units</th><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result</th></th> | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Prepared By DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Surgate result Surgate result MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n=Tricosane 115 117 mg/Kg | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Percent By DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Result Surrogate Result Units Dil. Amount Rec. Rec. Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike Matrix Rec. Rec. Rec. | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By MS Spike Matrix Percent Result Units
 Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Reput DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike Matrix Rec. Rec. Rec. Rec. Rec. Rec. Rec. Rec. Rec.
 | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 <td< th=""><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Prepared By DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD 100</th><th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec.</th></td<> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed B; Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 MS QC Preparation: 2012-08-20 Prepared By Param F C Result Units
 Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units</th> <th>QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result</th> | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Prepared By DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Spike MS MSD 100
 | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MS MSD Spike Rec. Rec. Rec. Rec. Rec. | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed B; Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared B; Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param
 F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 MS QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units | QC Batch: 94083 Date Analyzed: 2012-08-21 Analyzed By Prep Batch: 79749 QC Preparation: 2012-08-20 Prepared By Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result |
| MS Spike Matrix Param F C Result Units Dil. Amount Result Res. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5

 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C
Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Surrogate Result Result Units Dil. Amount Rec. Rec. NS MSD Spike MS MSD Spike MS MSD Surrogate Result Result Units <
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rep DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike MS MSD Spike MS MSD Spike MS MSD Matrix Rec. Rec. Rec. Rec. Rec. </td <td>MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117</td> <td>MS Spike Matrix DRO 2 244 mg/Kg 1 250 <14.5</td> 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Ref Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 98 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 | MS Spike Matrix DRO 2 244 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 |
| ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5

 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | MS Spike Matrix Param F
C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | MSSpike
Matrix
MountMatrix
ResultParamFCResult
ResultUnitsDil.Amount
MountResult
ResultRec.DRO2244mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5 | MSMSSpike
Matrix
Matrix
2Matrix
ResultRec.DRO2244mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5 | MSSpike
ResultMatrix
AmountParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 |
| Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5

 | ParamFCResultUnitsDil.AmountResultRec.DRO2244mg/Kg1250<14.5
 | Param F C Result Units
Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 244 mg/Kg 1 250 <14.5
 |
| Param P Print Ing/rig P Print Ing/rig P Print Pristered Prister P
 | Dres Print Ing/rig Print | Dite Imaging | Dite Imaging | Dite Imaging

 | Dite Image Procession Image Procession <thimage procession<="" th=""> Image Proces</thimage>
 | Param Param <td< td=""><td>Param F C Result Units Dil. Amount Result Res. Param F C Result Units Dil. Amount Result Res. Param F C Result Units Dil. Amount Result Res. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5</td> 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 QC Bate Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By MS MS C Result Units Dil. Amount Result <td< td=""><td>Drive
Print Ingring Print Ingring Print District Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5</td> 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Param F C Result Units Dil. Amount Result Rec. MS KS Spike Matrix Rec. Rec. MS Spike<td>Dite Image Procession <thimage procession<="" th=""> Image Proces</thimage></td><td>Dite Imaging Imaging</td><td>Dite Print Ing/rig Print Dot Class Dot <thdot< th=""> Dot Dot <th< td=""><td>Dice Product of the second second</td><td>Param F C Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5</td> 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Result Result</th<></thdot<></td><td>Param F C Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5</td> 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Result Result</td<></td<> | Param F C Result Units Dil. Amount Result Res. Param F C Result Units Dil. Amount Result Res. Param F C Result Units Dil. Amount Result Res. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5 | Drive Print Ingring Print Ingring Print District Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Dite Image Procession Image Procession <thimage procession<="" th=""> Image Proces</thimage>

 | Dite Imaging | Dite Print Ing/rig Print Dot Class Dot Dot <thdot< th=""> Dot Dot <th< td=""><td>Dice Product of the second second</td><td>Param F C Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5</td> 96 70 - 130 2 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Result Result</th<></thdot<>
 | Dice Product of the second | Param F C Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C Precent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 |
| Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5

 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C Result Units
Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Limit RPD DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5
 | Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C Result Units Dil. Amount Result Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5 | Param F C MSD Spike Matrix Rec. DRO 2 239 mg/Kg 1 250 <14.5
 |
| ParamFCResultUnitsDil.AmountResultRec.DRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5

 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 |
ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 | ParamFCResultUnitsDil.AmountResultRec.DRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.DRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5 | ParamFCResultUnitsDil.AmountResultRec.LimitRPDDRO2239mg/Kg1250<14.5
 |
| Image: Texture Texture <thtexture< th=""> Texture Texture<</thtexture<>
 | Parametric Percent recovery is based on the spike result. Surrogate MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: Prepared By Param F C Result Units Dil. Amount Rec. | Parameter Percent | Parameter Percent | Parameter Percent

 | Parametric Present Present <td>Param Product Presente Pre</td> <td>Param Product Present Present</td> <td>Param Percent Percent</td> <td>Parametric Prevent Prevent<td>Param Price Result Fill Fill</td><td>Parametric Present Present<td>Image: Instant of the second of the secon</td><td>Image: Image: Image:</td><td>Instruction Instruction Instruction</td><td>Instant Instant Instant</td><td>Math Present Present</td><td>Image: Image: Image:</td></td></td> | Param Product Presente Pre
 | Param Product Present | Param Percent | Parametric Prevent Prevent <td>Param Price Result Fill Fill</td> <td>Parametric Present Present<td>Image: Instant of the second of the secon</td><td>Image: Image: Image:</td><td>Instruction Instruction Instruction</td><td>Instant Instant Instant</td><td>Math Present Present</td><td>Image: Image: Image:</td></td> | Param Price Result Fill
 | Parametric Present Present <td>Image: Instant of the second of the secon</td> <td>Image: Image: Image:</td> <td>Instruction Instruction Instruction</td> <td>Instant Instant Instant</td> <td>Math Present Present</td> <td>Image: Image: Image:</td> | Image: Instant of the second of the secon | Image: | Instruction | Instant
 | Math Present Present | Image: |
| Or one of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: Prepared By Param F C Result Units Dil. Amount Result Result
 | Or one of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Prepared By MS MS Spike Matrix Prepared By Param F C Result Units Dil. Amount Result Result | Operation of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Prepared By MS MS MS Spike Matrix Prepared By Param F C Result Units Dil Amount Result Result | Note of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: Prepared By MS MS MS Spike Matrix Prepared By
 | Order State Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By MS MS Spike Matrix Prepared By Param F C Result Units Dil Amount Result Result
 | Surget MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Surrogate Result Units Dil. Amount Rec. Natrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By MS Spike Matrix Prep Batch: 79813 MS Spike Matrix Param F C Result Units Dil. Amount Result MS Spike Matrix Prepared By MS Spike Matrix Rec.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By QC Batch: 94163 Date Analyzed: 2012-08-22 Prepared By Prep Batch: 79813 MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Percent recovery is based on the spike result. MS
 MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By QC Batch: 94163 Date Analyzed: 2012-08-22 Prepared By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By MS Spike Matrix Prepared By MS Spike Matrix Rec. MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. | Note of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Param F C Result Units Dil. Amount Result Result | Surget recovery is based on the spike result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By MS MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Operation of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By QC Preparation: 2012-08-22 Prepared By MS MS Spike Matrix Prepared By Param F C Result Units Dil Amount Param
 | Surget recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By MS MS Spike Matrix
 | MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 306910 Analyzed: 2012-08-22 Analyzed By Prep Batch: MS MS MS MS MS MS Ms Ms
 | Or of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Or one of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed B: Prep Batch: 79813 Prepared B: Prepared B | Or of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By | Order Stressen of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By | Order Stress of the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By
 |
| MS
SurrogateMSD
ResultSpike
ResultMS
ResultMSD
Resultn-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910Analyzed:2012-08-22Analyzed By
Prep Batch:Analyzed By
Preparation:2012-08-22Analyzed By
Prepared ByParamFCResultUnitsDil.AmountResultRes.
 | MS
SurrogateMSD
ResultSpikeMS
ResultMSD
Resultn-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By
Prepared ByParamFCResultUnitsDil.AmountResultResult | MS
SurrogateMSD
ResultSpikeMS
MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By
Prepared ByParamFCBesultUnitsDilAmountBesultMSSpikeMatrix
ResultBesultBesultBesultBesult | MS
SurrogateMSD
ResultSpikeMS
MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By
Prepared ByParamEMS
CBesultUnitsDilAmountResultMS
ParamFCBesultUnitsDilAmountResult
 | MS
SurrogateMSD
ResultSpikeMS
ResultMSD
Resultn-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By
Prepared ByParamFCBesultUnitsDilAmountBesultMSSpikeMatrix
ResultBesultBesultBesultBesult
 | MS
SurrogateMSD
ResultSpikeMS
ResultMSD
Resultn-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
2012-08-22Analyzed By
Prepared By
Prepared ByParamFCResultUnitsDil.AmountResultResult

 | MS
SurrogateMSD
ResultSpike
ResultMSD
ResultMSD
Resultn-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910Date Analyzed:2012-08-22Analyzed By
Prep Batch:ParamParamFCResultUnitsDil.AmountResultResult
 |
MS
SurrogateMSD
ResultSpike
ResultMS
UnitsMSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:Prep Batch:79813MSSpike
CResultUnitsDil.MSSpikeMatrix
ResultRec. | MS
SurrogateMSD
ResultSpike
ResultMS
UnitsMSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:Prep Batch:79813MSSpike
CMatrix
ResultMatrixFCResultUnitsDil.AmountResultResultResultResult | MS
SurrogateMSD
ResultSpike
ResultMS
UnitsMSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By
Prepared ByParamFCResultUnitsDil.AmountResultRec.
 | MS
SurrogateMSD
ResultSpikeMS
MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By
Prepared ByMSMS
MSLSpikeMatrix
MatrixParamFCResultUnitsDilAmount
 | MS
SurrogateMSD
ResultSpikeMS
MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910306910Analyzed:2012-08-22Analyzed By
Prep Batch:79813MSSpikeMSSpikeMatrix
 | MS
SurrogateMSD
ResultSpike
ResultMS
UnitsMSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910306910Analyzed:2012-08-22Analyzed By
Prep Batch:79813MSMSMSMSMSMSMSMS
 | MS
SurrogateMSD
ResultSpike
ResultMS
ResultMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910306910Analyzed:2012-08-22Analyzed By
Prep Batch:79813QC Batch:94163
QC Preparation:2012-08-22Analyzed By
Prepared By | MS
SurrogateMSD
ResultSpike
ResultMS
Rec.MSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed B
Prepared By | MS
SurrogateMSD
ResultSpike
ResultMS
Dil.MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163
Prep Batch:Date Analyzed:2012-08-22
QC Preparation:Analyzed By
Prepared By | MS
SurrogateMSD
ResultSpike
ResultMS
Dil.MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910306910Analyzed:2012-08-22Analyzed By
Prep Batch:79813QC Batch:94163
QC Preparation:2012-08-22Analyzed By
Prepared By | MS
SurrogateMSD
ResultSpike
ResultMS
Dil.MSD
AmountMSD
Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910Analyzed:2012-08-22Analyzed By
Prep Batch:79813QC Batch:94163
QC Preparation:Date Analyzed:2012-08-22Analyzed By
Prep Batch:
 |
| SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared ByMatrixPrepared ByMSSpikeMatrixParamFCResultUnitsDil.AmountResultRec.
 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:Prep Batch:79813MSSpikeMatrixParamFCResultUnitsDil.AmountResultFCResultUnitsDil.AmountResultFCResultUnitsDil.Amount | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:Prep Batch:79813MSSpikeMatrixParamFCResultUnitsDilAmountMSSpikeMatrixResultResultResult | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared ByMSSpikeMatrixSpikeMatrixParamECBesultUnitsDilAmount
 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:Prep Batch:79813MSSpikeMatrixParamFCResultUnitsDil.AmountResultFCResultUnitsDil.AmountResultFCResultUnitsDil.Amount
 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:ParamFCResultUnitsDil.AmountResultFCResultUnitsDil.AmountResultResultUnitsDil.AmountResultRec.

 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared ByMSSpikeMatrixParamFCResultUnitsDil.AmountResultRec.
 |
SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared ByMSSpikeMatrixParamFCResultUnitsDil.AmountResultRec. | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared ByParamFCResultUnitsDil.AmountResultRec. | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813MSSpikeMatrixParamFCResultUnitsDil.AmountResultResultFCResultUnitsDil.AmountResult
 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared ByMSMSSpikeMatrixParamFCResultUnitsDil.
 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813MSSpikeMatrix
 | Surrogate Result Result Units Dil. Amount Rec. Rec. n-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
 | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910306910Analyzed:2012-08-22Analyzed ByQC Batch:94163Date Analyzed:2012-08-22Prepared ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | SurrogateResultResultUnitsDil.AmountRec.Rec.n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:79813QC Preparation:2012-08-22Prepared By
 |
| m-Tricosane 115 117 mg/Kg 1 100 115 117 Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By Matrix Prepared By | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 MS Spike Matrix Param F C Besult Units Dil Amount Besult | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 94163 Prep Batch: 79813 MS Spike Matrix Spike Matrix Prepared By QC Preparation: 2012-08-22 Matrix Prepared By Param F
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 MS Spike Matrix Param F C Besult Units Dil Amount
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 MS Spike Matrix Param F C Result Units Dil. Amount Result Result

 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Matrix Spike (MS-1) Spiked Sample: 306910
QC Batch: 94163 94163 Prep Batch: 79813 MS Spike Matrix Preparation: 2012-08-22 Analyzed By Prep Batch: 79813 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 94163 Prep Batch: 79813 Matrix Preparam F C Result Units Dil. Amount Result Result | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 MS Spike Matrix Param F C Result Units Dil. Amount Result Result
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 MS Spike Matrix Param
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 MS Spike MS Spike
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813
 | n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | n-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed ByPrep Batch:79813QC Preparation:2012-08-22Prepared By | InterformInterformInterformInterformn-Tricosane115117mg/Kg1100115117Matrix Spike (MS-1)Spiked Sample:306910QC Batch:94163Date Analyzed:2012-08-22Analyzed By
Prep Batch:79813QC Preparation:2012-08-22Prepared By
Prepared By
 |
| Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 Matrix Preparation: 2012-08-22 Analyzed By QC Preparation: 2012-08-22 Prep Batch: 79813 MS Spike Matrix Result Units Dil. Amount Result
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Result Units Dil. Amount Result Result | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Result Units Dil Amount Result Result | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Besult Units Dil Amount Besult
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Besult Units Dil Amount Besult Bec
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By Param F C Result Units Dil. Amount Result Result

 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 MS Spike Matrix Spike Matrix F C Result Units Dil. Amount Result C
 | Matrix Spike (MS-1) Spiked Sample: 306910
QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 94163 Prep Batch: 79813 Date Analyzed: 2012-08-22 Analyzed By QC Preparation: 2012-08-22 Prep Batch: 79813 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 MS Spike Matrix Param F C Result Units Dil. Amount Result Result
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Besult Units Dil Amount Besult Besult
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 MS Spike MS Spike
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 Date Analyzed: 2012-08-22 Analyzed By QC Preparation: 2012-08-22 Prep Batch: 79813
 | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Prep Batch: 79813 Date Analyzed: 2012-08-22 Prepared By | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Matrix Spike (MS-1) Spiked Sample: 306910 QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
 |
| Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil Amount Result Rec | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param E C Basult Units Dil Amount Basult Bas
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil Amount Result Rec
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.

 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
Param F C Result Units Dil Amount Perult Per
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
 |
| Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec | MS Spike Matrix
Param E C Besult Units Dil Amount Besult Bos
 | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec
 | Param F C Result Units Dil. Amount Result Rec.

 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec.
 | MSSpikeMatrixParamFCResultUnitsDil.AmountResultRec. | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil Amount Result Para
 | MS Spike Matrix
 |
 | | | | |
 |
| Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil Amount Result Rec | Param F C Result Units Dil Amount Result Res
 | Param F C Result Units Dil Amount Result Rec
 | Param F C Result Units Dil. Amount Result Rec.

 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil Amount Desult Des
 | · · · · · · · · · · · · · · · · · · ·
 | MD Spike Matrix
 | MS Spike Matrix | MS Snike Matrix | | MS Spile Metric |
 |
|
 | | | Takan P C Result Chies DR. Andonis Result Rec.
 |
 |

 |
 |
 | |
 | i aram i o nesult Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec.
 |
 | | | Mið Spike Matrix | and opike Matrix | MS Spike Matrix
 |
| -GRO
 | (PR) = -20.0 | (DD) |
 | (DD))
 | GR() = mg/Kg = 1 - 20.0 - 1.92 - 90 - 68

 | GRO 19:9 Mg/Kg 1 20:0 1929068
 | Grue 19:9 mg/Kg 1 20:0 1.92 90 68
 | <u>GKO20.0</u> -1.92-90-68 | GRO = mg/Kg = 1 = 20.0 = 1.92 = 90 = 68
 |
 |
 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 |
|
 | 1 13.3 mg/Rg 1 20.0 1.92 90 00 | <u>GRO</u> | <u>GRO</u>
 | <u>GRO</u>
 |

 |
 |
 | |
 | <u>GRU 19:9 mg/Kg 1 20:0 1.92 90 68</u>
 | GRO
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1.92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 | MSSpikeMatrixParamFCResultUnitsDil.AmountResultRec.GRO119:9mg/Kg120:01:929068
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | GRO 19.9 mg/Kg 1 20.0 1.92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. 1 <t< td=""><td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.</td><td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 64 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.</td><td>Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.</td><td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.</td><td>MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1
20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 1 10:0 1:00</td></t<> | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 64 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 1 10:0 1:00
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 | Param F C Result Units Dil. Amount Result Rec. GRO 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. | Param F C Result Units Dil. Amount Result Rec. GRO i 19.9 mg/Kg 1 20:0 1.92 90 6i Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
MSD Spike Matrix Rec. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec.
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. CRO 21.1 mc/Kr 1 20.0 1.02 06 62.0 1.20 6
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep CRO 21.1 mg/Kg 1 20.0 1.02 65 65 0 120 6
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Ref.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Ref. CRO | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Ref. CRO | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. CRO
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO F C Result Units Dil. Amount Result RPD
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RepD CRO
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD CRO Image: Comparison of the spike result Image: Comparison of the spike result Image: Comparison of the spike result Rec. Image: Comparison of the spike result | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 6i Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD CRO | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
MSD Spike Matrix Rec.
Param F C Result Units Dil. Amount Result Rec. Limit RPD
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
MSD Spike Matrix Rec. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep CRO | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD CRO Param F C Result Units Dil. Amount Result RPD
 |
| Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 90 00 Param F C Result Units Dil. Amount Result Rec. Limit PD pike result BPD is based on the spike and spike duplicate result | GRO 1 19.9 mg/Kg 1 20.0 1.92 90 66 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD 6 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD 6
 6 | GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Parcent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD 6
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD 6
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 6i Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result Rec. Limit RPD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Parcent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Param F C Result Units Dil. Amount Resc. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1
mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result RPD |
| Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Limit RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 1 20.0 1.92 96 68.9 - 120 6
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 90 00 Percent recovery is based on the spike result. Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Rep RPD | GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD
 | GRO 1 19.9 mg/ Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 6
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD
 | Percent recovery is based on the spike result.
MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD RPD RPD | Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 1 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Ref. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 6
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 6
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD 6
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 64 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO i 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96
 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. RPD |
| Percent recovery is based on the spike result. Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Limit RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Demote
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 90 00 Param F C Result Units Dil. Amount Result Rec. Limit RPD is based on the spike and spike duplicate result. MSD Spike MSD MSD Operative MS MSD Spike MS MSD Spike MS MSD | GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD NS MSD Spike MS MSD Spike MS MSD | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD NS MSD Spike MS MSD Spike D D
 | GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD NS MSD Spike MS MSD Spike MS MSD
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD MS MSD Spike MS MSD Spike MS MSD

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
MSD Spike Matrix Rec.
Param F C Result Units Dil. Amount Result Rec. Limit RPD
GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
MS MSD Spike MS MSD Spike MS MSD
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD MS MSD Spike MS MSD Spike MS MSD
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Operational contraction Description Description Dile Amount Spike MS MSD Operation Description Description Dile MS MSD Spike MS MSD | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD MS MSD Spike MS MSD Spike MS MSD
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Dil MS MSD
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD NS MSD Spike MS MSD Spike MS MSD
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Operative MS MSD Spike MS MSD Spike MS MSD Operative Denotive Denotive Denotive Dil Amount Spike MS MSD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result
 Units Dil. Amount Result RepD GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD NS MSD Spike MS MSD Spike MS MSD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 6i Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Ref Param F C Result Units Dil. Amount Result Ref GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD MS MSD Spike MS MSD Spike MS MSD | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Optimized and the spike result. RPD is based on the spike and spike duplicate result. Dil MS MSD Spike MS MSD | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Dil MS MSD MS MSD Spike MS MSD Spike MS MSD
 |
| Percent recovery is based on the spike result. MSD Spike Mätrix Rec. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Rec. Param F C Result Units Dil. Amount Rec. GRO 1 21.1 mg/Kg 1 2 04 OI GRO 1 2 Mätrix Rec. MS MS Spike MS MSD Spike MS MSD Spike MS MSD Spike MS MS Spike <th colspan="2</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Mätrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 90 00 GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. MSD Spike MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1.88 1.82 mg/Kg 1 2 90</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 1.82 mg/Kg 1 2 90 60</td> <td>GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 94 91</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 1.82 mg/Kg 1 2 04 91</td> <td>Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Surrogate Result Result Result Units Dil. Amount Rec. Trifluorotoluene (TET) 1 88 1 82 mg/Kg 1 20 04 91</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Triffuored luene (TET) 1 88 1.82 mg/Kg 1 2 04 01 1</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Surrogate MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 mg/Kg 1 2 04 91</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Surrogate MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 mg/Kg 1 2 04 91</td> <td>Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifluorotoluene (TET) 1 88 1 82 mg/Kg 1 20 04 01 1</td> <td>GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 04 91</td> <td>GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Triffuorotoluene (TET) 1 88 1 82 mg/Kg 1 2 04 91</td> <td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD
 Surrogate MS MSD Spike MS MSD Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 94 91</td> <td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifluerotoluene (TET) 1 188 1.82 mg/Kg 1 2 94 91</td> <td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 60 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifuorotoluene (TET) 1.88 1.82 mg/Kg 1 2 04 01</td> <td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Surrogate MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 04 01</td> <td>Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Trifluerotoluene (TET) 1 188 1 82 mg/Kg 1 2 94 91</td> <td>MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike MSD Spike MSD MSD Spike Rec. Rec. Rec. Rec. Rec.</td> | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Mätrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 90 00 GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. MSD Spike MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1.88 1.82 mg/Kg 1 2 90 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 1.82 mg/Kg 1 2 90 60 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 94 91
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. Param F C Result Units Dil. Amount Result Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 1.82 mg/Kg 1 2 04 91
 | Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Surrogate Result Result Result Units Dil. Amount Rec. Trifluorotoluene (TET) 1 88 1 82 mg/Kg 1 20 04 91

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Triffuored luene (TET) 1 88 1.82 mg/Kg 1 2 04 01 1
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec.
 GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Surrogate MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 mg/Kg 1 2 04 91 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO i 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Surrogate MS MSD Spike MS MSD Trifluorotoluene (TET) 1 1.82 mg/Kg 1 2 04 91 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifluorotoluene (TET) 1 88 1 82 mg/Kg 1 20 04 01 1
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 04 91
 | GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rec. GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Triffuorotoluene (TET) 1 88 1 82 mg/Kg 1 2 04 91
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 94 91 | Param F
 C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20:0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifluerotoluene (TET) 1 188 1.82 mg/Kg 1 2 94 91 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 60 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Rec. Trifuorotoluene (TET) 1.88 1.82 mg/Kg 1 2 04 01 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result Rep Param F C Result Units Dil. Amount Result Rep GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Surrogate MS MSD Spike MS MSD Surrogate Result Result Units Dil. Amount Rec. Trifluorotoluene (TET) 1 188 1 82 mg/Kg 1 2 04 01 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MS MSD Surrogate MS MSD Spike MS MSD Trifluerotoluene (TET) 1 188 1 82 mg/Kg 1 2 94 91 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MSD Spike Matrix Rec. Param F C Result Units Dil. Amount Result RPD GRO 1 21.1 mg/Kg 1 20.0 1.92 96 68.9 - 120 6 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. MS MSD Spike MSD Spike
MSD Spike MSD Spike MSD Spike MSD Spike MSD MSD Spike Rec. Rec. Rec. Rec. Rec. |
| -GRO =
 | $C(\mathbf{R}) = 10.0 - m_{\mathbf{R}}/k_{\mathbf{R}} = 1 - 20.0 - 10.0 - 0.0$ | |
 |
 | GBO = 199 = mg/Kg = 1 = 20.0 = 1.92 = 90 = 68

 | GRO
 | Grue mg/Kg 1 20:0 1.92 90 68
 | <u>GRU</u> | GRO
 |
 | Param F C Result Units Dil. Amount Result Rec.
 | Mið Spike Matrix
 | MS Spike Matrix | MS Snike Matrix | | MS Spile Matrice |
 |
|
 | 1 13.3 mg/Rg 1 20.0 1.92 90 00 | <u>GRO</u> | <u>GRO</u> <u>19:9</u> <u>mg/Kg</u> <u>1</u> <u>20:0</u> <u>1.92</u> <u>90</u> <u>68</u>
 | <u>GRO</u>
 |

 |
 |
 | |
 | GRUG 1 19:9 mg/Kg 1 20:0 1.92 90 68
 | GRO 19.9 mg/Kg 1 20.0 1.92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1999 mg/Kg 1 20:0 1.92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 |
|
 | 1 13.3 mg/Rg 1 20.0 1.92 90 00 | <u>GRO</u> | <u>GRO</u>
 | <u>GRO</u>
 |

 |
 |
 | |
 | <u>4.6</u> <u>19:9 mg/Kg 1 20:0 1.92 90 68</u>
 | GRO
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 | MSSpikeMatrixParamFCResultUnitsDil.AmountResultRec.GRO119:9mg/Kg120:01:929068
 |
| Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result
 | Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result | GRO 1 19.9 $IIIg/Rg$ 1 20.0 1.92 90 00 | GRO
 | GRO 1 19.9 $IIIg/Rg$ 1 20.0 1.92 90 00
 | Descent recovery is based on the spike result RPD is based on the spike and spike duplicate result

 | Percent recovery is based on the spike result, RPD is based on the spike and spike duplicate result
 | Percent recovery is based on the spike result RPD is
based on the spike and spike duplicate result | Percent recovery is based on the snike result RPD is based on the snike and snike duplicate result | Dercent recovery is based on the spike result RPD is based on the spike and spike duplicate result
 | GRU
 | GRO 19:9 mg/Kg 1 20:0 1.92 90 68
 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result BPD is based on the spike and spike duplicate result
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1.92 90 68
Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Parcent recovery is based on the spike result RPD is based on the spike and spike duplicate result | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | <u>GRO</u> <u>19:9</u> mg/Kg <u>1</u> 20:0 <u>1.92</u> 90 <u>68</u>
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | GRO 19.9 mg/Kg 1 20.0 1.92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 66 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | GRO 19:9 mg/Kg 20:0 1.92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 66 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | ParamFCResultUnitsDil.AmountResultRec. GRO 119:9mg/Kg120:01:929068Percent recovery is based on the spike result.RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | GRO 19:9 mg/Kg 1 20:0 1.92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 19.9 mg/Kg 1 20.0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | ParamFCResultUnitsDil.AmountResultRec.GRO 1 19:9mg/Kg120:01:929068Percent recovery is based on the spike result.RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 |
| Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | <u>GRO</u> <u>1 19:9 mg/Kg 1 20:0 1.92 90 68</u>
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is
based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | GRO
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 | Param F C Result Units Dil. Amount Result Rec. GRO 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO i 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result. | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.
 |
| Demonst recovery is based on the gaile regult PPD is based on the gaile and gaile during the regult
 | Percent recovery is based on the grike regult PPD is based on the grike and grike duplicate regult | Bereart recovery is based on the grike result PPD is based on the grike and grike duplicate result | GRO
 | Bereart recovery is based on the grike result PPD is based on the grike and grike duplicate result
 | Demonstration and the grile regult PDD is based on the grile and grile duplicate regult

 | Percent recovery is based on the spile result PPD is based on the spile and spile duplicate result
 | Demonst recovery is based on the grike regult PPD is
based on the grike and grike duplicate regult | Demonstrate recovery is based on the grike result. PPD is based on the grike and grike duplicate result | Demonstration requires a provide an the gride regult RPD is based on the gride and gride duplicate result
 | GRG 19:9 mg/Kg 1 20:0 1.92 90 65
 | GRO <u>19:9 mg/Kg 1 20:0 1:92 90 68</u>
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1.92 90 68
Percent recovery is based on the gails result. | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1:92 90 68
Paramt recourse is based on the spike result | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 |
| Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result
 | Percent recovery is based on the spike result BPD is based on the spike and spike duplicate result | Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result | GRO
 | GRO 1 19.9 Rg/Rg 1 20.0 1.92 90 00
 | Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

 | Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result
 | Percent recovery is based on the spike result RPD is
based on the spike and spike duplicate result | Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result | Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result
 | 1 = 19:9 = mg/Kg = 1 = 20:0 = 1.92 = 90 = 60
 | GRO <u>19:9 mg/Kg 1 20:0 1:92 90 68</u>
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20.0 1.92 90 68
Percent recovery is based on the spike result BPD is based on the spike and spike duplicate recult | Param F C Result Units Dil. Amount Result Rec.
GRO 19:9 mg/Kg 1 20:0 1:92 90 68
Parcent recovery is based on the spike result RPD is based on the spike and spike duplicate result | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1:92 90 68
Percent recovery is based on the spike result BPD is based on the spike and spike duplicate result | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1.92 90 68
 |
|
 | <u>1 13.3 mg/Rg 1 20.0 1.92 90 00</u> | <u>GRO</u> | <u>GRO</u>
 | <u>GRO</u>
 |

 |
 |
 | | <u> </u>
 | <u>19:9 mg/Kg 1 20:0 1:92 90 68</u>
 | GRO <u>19:9 mg/Kg 1 20:0 1:92 90 68</u>
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1.92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19.9 mg/Kg 1 20.0 1.92 90 68
 |
|
 | 1 13.3 mg/ Kg 1 20.0 1.92 90 00 | <u>1 19:9 mg/Kg 1 20.0 1.92 90 08</u> | GRO119:9mg/Kg120:01.929068
 | <u>1 19:9 mg/Kg 1 20.0 1.92 90 08</u>
 |

 |
 |
 | |
 | GRU- 19:9 mg/Kg 1 20:0 1.92 90 68
 | GRO 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 66 | Param F C Result Units Dil. Amount Result Rec.
GRO 1999 mg/Kg 1 20:0 1.92 90 68 | Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68 | MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. GRO 1 19:9 mg/Kg 1 20:0 1:92 90 68
 |
|
 | | $(T_{1})^{2}$ | (780)
 | $(T_{1})^{2}$
 |

 |
 |
 | |
 | (+h)// mo//Kp
 | GBO = 19.9 - mg/Kg = 1 - 20.0 - 1.92 - 90 - 68
 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec.
 |
| Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec | MS Spike Matrix
Param E C Result Units Dil Amount Result Res
 | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec
 | Param F C Result Units Dil. Amount Result Rec.

 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param E C Result Units Dil Amount Paralle Para
 | MS Spike Matrix
 |
 | | | | |
 |
| MSSpikeMatrixParamFCResultUnitsDil.AmountResultRec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec | MS Spike Matrix
Param F C Besult Units Dil Amount Besult Bos
 | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.

 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil Amount Persult Pers
 | MS Spike Matrix
 | MG
 | | | | |
 |
| MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec | MS Spike Matrix
E C Besult Units Dil Amount Besult Bes
 | MS Spike Matrix
Param F C Result Units Dil Amount Result Rec
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.

 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount
Result Rec. | Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Besult Units Dil Amount Paralle Para
 | MS Spike Matrix
 | MOLECTIN
 | | | | |
 |
| MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil Amount Besult Bec | MS Spike Matrix
Param F C Besult Units Dil Amount Besult Bes
 | MS Spike Matrix
Param F C Result Units Dil Amount Besult Bec
 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.

 | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Result Units Dil. Amount
Result Rec. | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
Param F C Besult Units Dil Amount Paralle Para
 | MS Spike Matrix
 | MG
 | | | | |
 |
| MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil Amount Result Rec | MS Spike Matrix
Frepared D
 | Param F C Result Units Dil Amount Result Rec
 | Param F C Result Units Dil. Amount Result Rec.

 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec.
 | Param F C Result Units Dil. Amount Result Rec. | Param F C Result Units Dil. Amount Result Rec.
 | MS Spike Matrix
F C Result Unite Dil Amount Persult Dec
 | MS Spike Matrix
 | MC C I MC C I MC
 | | Trep Baren, 19910 | | ricp Daven. 19910 | ricp Davon. 19010 Worrepared D.
 |
| Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Result Units Dil Amount Result Rec | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param E C Besult Units Dil Amount Besult Bee
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Result Units Dil Amount Result Rec
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.

 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared
B
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
Param F C Besult Units Dil Amount Possilt Pos
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
MS Spike Matrix
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B | Prep Batch:79813QC Preparation:2012-08-22Prepared B | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B
 |
| Prep Batch: 79813
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813
Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813
Param F C Besult Units Dil Amount Besult Bec | Prep Batch: 79813
MS Spike Matrix
Param F C Besult Units Dil Amount Besult Bos
 | Prep Batch: 79813
Param F C Besult Units Dil Amount Besult Bec
 | Prep Batch: 79813
Param F C Result Units Dil. Amount Result Rec.

 | Prep Batch: 79813
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813
Param F C Result Units Dil. Amount
Result Rec. | Prep Batch: 79813
Param F C Result Units Dil. Amount Result Rec. | Prep Batch: 79813
Param F C Result Units Dil. Amount Result Rec.
 | Prep Batch: 79813
MS Spike Matrix
Param F C Result Units Dil Amount Persit Persit
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
MS Spike Matrix
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
 | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By | Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By
 |
| aram F C Result Units Dil. Amount Result
 | Image: Construction of the system of the | Image: Construction of the system of the | Image: Construction of the system of the | Image: Construction of the system Date Analyzed: 2012-08-22 Analyzed By Image: Construction of the system QC Preparation: 2012-08-22 Prepared By Image: Construction of the system MS Spike Matrix Image: Construction of the system F C Result Units Dil Amount Result Result

 | Image: Construction of the system of the
 | aram F C Result Units Dil. Amount Result
 | Image: Construction of the point of the | Image: Construction of the system of the | Image: Construction of the system of the

 | Image: Construction of the system of the | UC Batch: 94103 94103 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS Spike Matrix
 | UC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared By MS MS Colored By Date Analyzed:
 2012-08-22 | Image: Weight of the system Date Analyzed: 2012-08-22 Analyzed By Image: Weight of the system QC Preparation: 2012-08-22 Prepared By | QC Batch:94163Date Analyzed:2012-08-22Analyzed Brep Batch:79813QC Preparation:2012-08-22Prepared By | QC Batch:94163Date Analyzed:2012-08-22Analyzed Byrep Batch:79813QC Preparation:2012-08-22Prepared By
 | QC Batch:94103Date Analyzed:2012-08-22Analyzed Byrep Batch:79813QC Preparation:2012-08-22Prepared By | QC Batch:94163Date Analyzed:2012-08-22Analyzed Byrep Batch:79813QC Preparation:2012-08-22Prepared By |
| QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Result | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil Amount Result Result | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Besult Units Dil Amount Besult Besult
 | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil Amount Result Result
 | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.

 | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | QC Batch: 94163 Date Analyzed: 2012-08-22
 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec. | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param F C Result Units Dil. Amount Result Rec.
 | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix Param E C Besult Units Dil Amount Param
 | QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed B Prep Batch: 79813 QC Preparation: 2012-08-22 Prepared B MS Spike Matrix
 | QC Batch:94163Date Analyzed:2012-08-22Analyzed BPrep Batch:79813QC Preparation:2012-08-22Prepared BMSMSCitien Matrix
 | QC Batch:94163Date Analyzed:2012-08-22Analyzed BPrep Batch:79813QC Preparation:2012-08-22Prepared B | QC Batch:94163Date Analyzed:2012-08-22Analyzed BPrep Batch:79813QC Preparation:2012-08-22Prepared B | QC Batch:94163Date Analyzed:2012-08-22Analyzed BPrep Batch:79813QC Preparation:2012-08-22Prepared B | QC Batch:94163Date Analyzed:2012-08-22Analyzed BPrep Batch:79813QC Preparation:2012-08-22Prepared B | QC Batch:94163Date Analyzed:2012-08-22Analyzed BPrep Batch:79813QC Preparation:2012-08-22Prepared B
 |

. .

•

Report-Date: August 23, 2012	Work Order:-12082011	Page Number: 8 of 10
114-6401422	COG/Continental A State TB	Eddy Co., NM

Calibration Standards

Standard (CCV-1)

QC Batch: 94	4083		Date A	Analyzed:	2012-08-21		Analyz	zed By: C
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyz
DRO	0	2	mg/Kg	250	244	98	80 - 120	2012-08
Standard (C	C V-2)							
QC Batch: 94	1083		Date A	Analyzed:	2012-08-21		Analy	zed By: C
			1	CCVs	\mathbf{CCVs}	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyz
DDO		_	mg/Kg	250	240	96	80 - 120	2012-08
Standard (CO	CV-3)	2		200				
Standard (CO	CV-3)	2			0010 00 01		<u> </u>	
Standard (CC QC Batch: 94	C V-3) 1083	2	Date A	Analyzed:	2012-08-21		Analyz	zed By: C
Standard (CO QC Batch: 94	C V-3) 1083	2	Date A	Analyzed:	2012-08-21 CCVs	CCVs	Analyz	sed By: C
Standard (CO QC Batch: 94	C V-3) 1083	2	Date 4	Analyzed: CCVs True	2012-08-21 CCVs Found	CCVs Percent	Analyz Percent Recovery	ed By: C Date
Standard (C QC Batch: 94 Param	CV-3) 1083 Flag	Cert	Date A	Analyzed: CCVs True Conc.	2012-08-21 CCVs Found Conc.	CCVs Percent Recovery	Analyz Percent Recovery Limits	ed By: C Date Analyz
Standard (CC QC Batch: 94 Param DRO	CV-3) 1083 Flag	2 Cert 2	Units mg/Kg	Analyzed: CCVs True Conc. 250	2012-08-21 CCVs Found Conc. 233	CCVs Percent Recovery 93	Analyz Percent Recovery Limits 80 - 120	2ed By: C Date Analyz 2012-08
Standard (C QC Batch: 94 Param DRO	CV-3) 1083 Flag	2 Cert2	Units mg/Kg	Analyzed: CCVs True Conc 250	2012-08-21 CCVs Found Conc. 233	CCVs Percent Recovery 93	Analyz Percent Recovery Limits 80 - 120	ed By: C Date Analyz 2012-08
Standard (CO QC Batch: 94 Param DRO Standard (CO	CV-3) 1083 Flag CV-1)	2 Cert 2	Units mg/Kg	Analyzed: CCVs True Conc 250	2012-08-21 CCVs Found Conc. 233	CCVs Percent Recovery 93	Analyz Percent Recovery Limits 80 - 120	zed By: C Date Analyz 2012-08
Standard (CC QC Batch: 94 Param_ DRO Standard (CC QC Batch: 94	CV-3) 1083 Flag CV-1) 1163	2 Cert 2	Date A	Analyzed: CCVs True Conc. 250	2012-08-21 CCVs Found Conc. 233 2012-08-22	CCVs Percent Recovery 93	Analyz Percent Recovery Limits 80 - 120 Analy:	zed By: C Date Analyz 2012-08 zed By: M
Standard (CO QC Batch: 94 Param DRO Standard (CO QC Batch: 94	CV-3) 1083 Flag CV-1) 163	2 Cert 2	Date A	Analyzed: CCVs True Conc. 250 Analyzed: CCVs	2012-08-21 CCVs Found Conc. 233 2012-08-22 CCVs	CCVs Percent Recovery 93	Analyz Percent Recovery Limits 80 - 120 Analyz Percent	zed By: C Date Analyz 2012-08 zed By: M
Standard (CO QC Batch: 94 Param DRO Standard (CO QC Batch: 94	CV-3) 1083 Flag CV-1) 163	2 Cert 2	Date A	Analyzed: CCVs True Conc 250 Analyzed: CCVs True	2012-08-21 CCVs Found Conc. 233 2012-08-22 CCVs Found	CCVs Percent Recovery 93 CCVs Percent	Analyz Percent Recovery Limits 80 - 120 Analyz Percent Recovery	zed By: C Date Analyz 2012-08 zed By: M Date
Standard (CO QC Batch: 94 Param DRO Standard (CO QC Batch: 94 Param	CV-3) 1083 Flag CV-1) 163 Flag	2 	Date A	Analyzed: CCVs True Conc 250 Analyzed: CCVs True Conc.	2012-08-21 CCVs Found Conc. 233 2012-08-22 CCVs Found Conc.	CCVs Percent Recovery 93 CCVs Percent Recovery	Analyz Percent Recovery Limits 80 - 120 Analyz Percent Recovery Limits	zed By: C Date Analyz 2012-08 zed By: M Date Analyz

.::.

Standard (CCV-2) QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: Param Flag Cert Units Conc. Cocx. Recovery Limits Analyzed By: GRO 1 mg/Kg 1.00 0.834 83 80 - 120 2012 Standard (CCV-3) QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs Percent Recovery Date Analyzed: 2012-08-22 Analyzed By: QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs CCVs Percent Recovery Date Analyzed: 2012-08-22 Analyzed By: Param Flag Cert Units Conc. Conc. Recovery Limits Analyzed By: QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs Percent Recovery Date Param Flag Cert Units Conc. Conc. Recovery Date QC Batch: 94163 nag/Kg 1.00 0.867 87 80 - 120 2012- RO nag/Kg 1.00	Report-Date: - 114-6401422	August 23, 2	012	С	Work-Orc OG/Contine	1er:-12082011 ental A State	TB	Page N	umber: 9 c Eddy Co.,
QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: Param Flag Cert Units Conc. Conc. Recovery Limits Analyzed GRO 1 rng/Kg 1.00 0.834 83 80 - 120 2012 Standard (CCV-3) QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs CCVs Percent True Param Flag Cert Units Conc. Recovery Limits Param Flag Cert Units Conc. Recovery Limits Analyzed By: GRO . mg/Kg 1.00 0.867 87 80 - 120 2012-08-22	Standard (CO	C V-2)							
CCVs CCVs Percent Percent Percent Percent Percent Percent Percent Percent Anal CRO 100 0.834 83 80 - 120 2012 2012 Standard (CCV-3) QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs CCVs Percent Recovery Date Param Flag Cert Units Conc. Cocwery Limits Analyzed By: CCVs CCVs CCVs Percent Recovery Date Analyzed By: CCVs	QC Batch: 94	163		Date	Analyzed:	2012-08-22		Analy	zed By: N
Target Tring Certe Conte. Conte. Conte. Teledweigy Linitis Anna GRO i mg/Kg 1.00 0.834 83 80 - 120 2012 Standard (CCV-3) QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs CCVs CCVs Percent Param Flag Cert Units Conc. Cocort Recovery Linits Anal GRO i mg/Kg 1.00 0.867 87 80 - 120 2012-	Porom	Flog	Cort	Unito	CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Standard (CCV-3) Date Analyzed: 2012-08-22 Analyzed By: CCVs CCVs CCVs Percent Param Flag Cert Units Conc. CRO 1 mg/Kg 1.00 0.867 87	GRO	r lag	1	mg/Kg	1.00	0.834	83	80 - 120	2012-08
QC Batch: 94163 Date Analyzed: 2012-08-22 Analyzed By: Param Flag Cert Units Conc. Conc. Recovery Limits Anal GRO 1 mg/Kg 1.00 0.867 87 80 - 120 2012-	Standard (CO	C V-3)							
Param Flag Cert Units Conc. Conc. Recovery Limits Anal GRO 1 mg/Kg 1.00 0.867 87 80-120 2012-	QC Batch: 94	163		Date .	Analyzed:	2012-08-22		Analyz	zed By: 1
GRO i mg/Kg 1.00 0.867 87 80 - 120 2012-	Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Dat Analy
	GRO		1	mg/Kg	1.00	0.867	87	80 - 120	2012-0
	. an is i suddaan, accie V nahaan annon	anger of the and the angel of the	n ga ga an	na in yy. Tan yyd ffygarddin y arlandau yn fariadau.	wannaanse Kanse – P. E. of C. Her	n ta sana mataka saka kupat sa munan saka	national and an a balance - on term under an a solar and a solar	n Aldah anang ing ing ing ing ing ing ing ing ing i	19 2010 9 19V (25 * 1 × 5 mill) 92 11

.

Report Date: August 23, 2012 114-6401422

Work Order: 12082011 COG/Continental A State TB

Page Number: 10 of 10 Eddy Co., NM

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

	Certifying	Certification	Laboratory
\mathbf{C}	Authority	Number	Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-12-8	Lubbock
2	NELAP	T104704392-12-4	Midland

Standard Flags

- F Description
- B Analyte detected in the corresponding method blank above the method detection limit
- H Analyzed out of hold time
- J Estimated concentration
- Jb The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
- Je Estimated concentration exceeding calibration range.
- Qc Calibration check outside of laboratory limits.
- Qr RPD outside of laboratory limits
- Qs Spike recovery outside of laboratory limits.
- Qsr Surrogate recovery outside of laboratory limits.
- U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page. Please note, each attachment may consist of more than one page.

An	alys	is F	le	q	ue	est of C	chai	n of Cı	ustody	' R	le	co	rd						A	NAL	PAC	REC	QUES	ST	<u>/ c</u>)F:	/	/
				Le constantes de la con		TETF 1910 N. Midland (432) 682	RA 7 Big Sp , Texas	FECH oring St. s 79705 ax (432) 682-394	120 •)8;	20				05 (Ext. to C35)	d Cr Pb Hg Se	d Vr Pd Hg Se			or	Spec				0.)	TDS		
CLIENT NAN	AE: CO	G	•••••			SITE MA	NAGER	EINA	42	INERS		PRES M	ERVATI	VE	TX10	s Ba C	s Ba C		s l	260/624	270/62			-		ns, pH,		
LAB I.D.	9:: 46 / date	<u>4Ә</u> тіме		COMP.		Mufine s	Fal Ecl AMPLE	A. Stat identification	· 73	I VUMBER OF CONTA	FILTERED (Y/N)	HNO3	CE VONE	3TEX 8021B	FPH 8015 MOD.	PAH 8270 RCRA Metals Ag A	rcLP Metals Ag A	CCLP Volatiles	I CLP Semi Volatile	3C.MS Vol. 8240/8	3C.MS Semi. Vol. 8	Pest. 8080/608	Chloride	Gamma Spec.	Alpha Beta (Air) PLM (Asbestos)	Major Anions/Catic		
7203 8	11-1	2	5		7	C8-6	Bof-	tim 3'	(AH-Z),					M					Ť		Ŧ			==	+		
720+8/	7/2		5		7	C5-4	4	1 (AH	'-Z)	1			7		ĺ	1	6	10	V.									Π
																						_						
				_+	_	···					_						$\left \right $	_	_		┝╌┥	_				$\left \right $		μ
			$\left \right $	-	+					┽┤	_					_	┼╂	-	+	┢		+	+			+		$\left \right $
			$\left \right $	+						┿╉	+			┝╌┠╴	┼┤			+	+	╀─	$\left \right $	_	\square			++		┝-┥
			┢┼	-+	+					┼┤	+	+		┢	+	-+-	╋	+	+	╀╴	┝┼	╉	+			╉╂	╉┦	┢╌╋
			$\left \right $						<u> </u>	╋		+			╋	_				+		╋		1		\uparrow		
RELINQUISHED	BY: (Signatur	e)	4	ىلىپ سى	l	Date:	F	RECEIVED BY Signatur		4		Date: Time:		ل ز مل	012	SAMP		IY: (P	rint B	nitial)	l		لېسېله مېسو	Date Time	; _ \$	1ភ	77
RELINCUISTED	BY (Signatur BT: (Signatur	6) e)				Date:	F F	RECEIVED BY: (Signatur	e)			Date: Time: Date:	·			SAMF FED HAN	A TEC		D BY:	(Circ) BU UP	e) S S			A 0	AIRBILI DTHER	. #: :		
RECEIVING LAE ADDRESS: CITY:	BORATORY:		er			ZIP:			12			ime:	34			1	I E		10	11				!	RI Al	USH Cr	larges	
SAMPLE COND	ITION WHEN	RECEIVED:		PH		ROMARKS:	tous	er Dal	nl. it		те: ТУ	14	A	70.		/ / / c	5	-/-	m	1	/ Pr	4/	1/0	3	<u>ًا _</u>	785	7	<u>**</u>

- --

Report Dat	e: August 28, 2012	Work Order	: 12082003		Page Number: 1 of 2
		Summary I	Report		
Ike Tavarez Tetra Tech 1910 N. Big Midland, T	g Spring Street X 79705			Report Date: Work Order:	August 28, 2012 12082003
Project Loc Project Nar Project Nur	eation: Eddy Co., NM me: COG/Continental A St mber: 114-6401422	ate TB			
			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
307161	CS-1 3' AH-3 3' Bottom	soil	2012-08-15	00:00	2012-08-17
307162	CS-1 4' AH-3 4'	soil	2012-08-15	00:00	2012-08-17
307163	CS-2 3' AH-4 3' Bottom	soil	2012-08-15	00:00	2012-08-17
307164	CS-2 4' AH-4 4'	soil	2012-08-15	00:00	2012-08-17
307165	CS-3 3' AH-8 3' Bottom	soil	2012-08-16	00:00	2012-08-17
307166	CS-4 3' AH-7 3' Bottom	soil	2012-08-16	00:00	2012-08-17
307167	CS-5 3' AH-5 3' Bottom	soil	2012-08-16	00:00	2012-08-17
307168	CS-5 4'	soil	2012-08-16	00:00	2012-08-17

.....

....

					the second s	the second country of the second country was the	and the second second second second
]	BTEX		MTBE	TPH DRO - NEW	TPH GRO
	Benzene	e Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
307161 - CS-1 3' AH-3 3' Bottom	< 0.0200) <0.0200	0.333	1.48			
307165 - CS-3 3' AH-8 3' Bottom	< 0.0200	< 0.0200	< 0.0200	< 0.0200		<50.0	<4.00
307166 - CS-4 3' AH-7 3' Bottom	< 0.0200	< 0.0200	< 0.0200	< 0.0200		<50.0	<4.00

Sample: 307161 - CS-1 3' AH-3 3' Bottom

Param	Flag	Result	Units	RL
Chloride		2290	mg/Kg	5
Sample: 307162 -	- CS-1 4' AH-3 4'			
Sample: 307162 · Param	- CS-1 4' AH-3 4' Flag	Result	Units	\mathbf{RL}

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.

Sample: 307163 -	US-2 3' AH-4 3' Botto	Procult	TInita	
Chlorido	<u>Flag</u>	2750	Units	
		2100	mg/1xg	
Sample: 307164 -	CS-2 4' AH-4 4'			
Param	Flag	Result	Units	
Chloride		7.33	mg/Kg	
Param Chloride	Flag	Result 6.93	Units mg/Kg	
Sample: 307167 - Param	CS-5 3' AH-5 3' Botto Flag	om Result	Units	
Sample: 307167 - Param Chloride	CS-5 3' AH-5 3' Botto Flag	om Result 24.3	Units mg/Kg	
Sample: 307167 - Param Chloride Sample: 307168 -	CS-5 3' AH-5 3' Botto Flag CS-5 4'	om Result 24.3	Units mg/Kg	
Sample: 307167 - Param Chloride Sample: 307168 - Param	CS-5 3' AH-5 3' Botto Flag CS-5 4' Flag	em Result 24.3 Result	Units mg/Kg Units	
Sample: 307167 - Param Chloride Sample: 307168 - Param Chloride	CS-5 3' AH-5 3' Botto Flag CS-5 4' Flag	om Result 24.3 Result 14.6	Units mg/Kg Units mg/Kg	
Sample: 307167 - Param Chloride Sample: 307168 - Param Chloride	CS-5 3' AH-5 3' Botto Flag CS-5 4' Flag	om Result Result 14.6	Units mg/Kg Units mg/Kg	
Sample: 307167 - Param Chloride Sample: 307168 - Param Chloride	CS-5 3' AH-5 3' Botto Flag CS-5 4' Flag	om Result Result 14.6	Units mg/Kg Units mg/Kg	
Sample: 307167 - Param Chloride Sample: 307168 - Param Chloride	CS-5 3' AH-5 3' Botto Flag CS-5 4' Flag	m <hr/> Result <hr/> Result <hr/> 14.6 <hr/>	Units mg/Kg Units mg/Kg	

Texas 79424 800-378-1296 806-794-1296 FAX 808+794+1298 6701 Aberdeen Avenue, Suite 9 Lubbock. 915-585-3443 200 East Sunset Road, Suite E El Paso, Texas 79922 FAX 915+585+4944 Midland. Texas 79703 432-689-6301 FAX 432-689-6313 5002 Basin Street, Suite A1 Texas 75006 972-242-7750 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrolizon. E-Mail: tab@traceanalysis.com WEB: www.traceanalysis.com Certifications WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025 Analytical and Quality Control Report (Corrected Report)

Ike Tavarez Tetra Tech 1910 N. Big Spring Street Midland, TX, 79705

Report Date: August 28, 2012

Work Order: 12082003

Project Location:Eddy Co., NMProject Name:COG/Continental A State TBProject Number:114-6401422

			Date	Tune	Date
Sample	Description	Matrix	Taken	Taken	Received
307161	CS-1 3' AH-3 3' Bottom	soil	2012-08-15	00:00	2012-08-17
307162	CS-1 4' AH-3 4'	soil	2012-08-15	00:00	2012-08-17
307163	CS-2 3' AH-4 3' Bottom	soil	2012-08-15	00:00	2012-08-17
307164	CS-2 4' AH-4 4'	soil	2012-08-15	00:00	2012-08-17
307165	CS-3 3' AH-8 3' Bottom	soil	2012-08-16	00:00	2012-08-17
307166	CS-4 3' AH-7 3' Bottom	soil	2012-08-16	00:00	2012-08-17
307167	CS-5 3' AH-5 3' Bottom	soil	2012-08-16	00:00	2012-08-17
307168	CS-5 4'	soil	2012-08-16	00:00	2012-08-17

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Report Corrections (Work Order 12082003)

• 8/28/12: Correct project name per CoC.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Ala

Dr. Blair Leftwich, Director Dr. Michael Abel, Project Manager

Page 2 of 22

and a second second second

-

Report Contents

Case	Narı	rative
------	------	--------

Analytical Report Sample 307161 (CS-1 3' AH-3 3' Bottom Sample 307162 (CS-1 4' AH-3 4') Sample 307163 (CS-2 3' AH-4 3' Bottom Sample 307164 (CS-2 4' AH-4 4') Sample 307165 (CS-3 3' AH-8 3' Bottom Sample 307166 (CS-4 3' AH-7 3' Bottom Sample 307167 (CS-5 3' AH-5 3' Bottom))))	· · · · ·		· · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	6
Sample 307168 (CS-5 4')								10
Method Blanks QC Batch 94090 - Method Blank (1) . QC Batch 94092 - Method Blank (1) . QC Batch 94093 - Method Blank (1) . QC Batch 94118 - Method Blank (1) . QC Batch 94120 - Method Blank (1) .	· · · ·	· · · · ·		 	 	· · · · · · · · · · · ·	· · · · · · · · · · · · · ·	11
Laboratory Control Spikes QC Batch 94090 - LCS (1) QC Batch 94092 - LCS (1) QC Batch 94093 - LCS (1) QC Batch 94090 - MS (1) QC Batch 94090 - MS (1) QC Batch 94090 - MS (1) QC Batch 94093 - xMS (1)	· · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		13
Calibration Standards QC Batch 94090 - CCV (1) QC Batch 94090 - CCV (2) QC Batch 94090 - CCV (3) QC Batch 94092 - CCV (1) QC Batch 94092 - CCV (2) QC Batch 94092 - CCV (2) QC Batch 94093 - CCV (3) QC Batch 94093 - CCV (1) QC Batch 94093 - CCV (2) QC Batch 94093 - CCV (2) QC Batch 94093 - CCV (2) QC Batch 94118 - CCV (1) QC Batch 94118 - CCV (1) QC Batch 94120 - ICV (1) QC Batch 94120 - CCV (1)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		$\begin{array}{cccccccccccccccccccccccccccccccccccc$

 $\mathbf{5}$

22

Appendix

Report Definitions	
Standard Flags	22
Attachments	
	1
	A second second provide a second s
	:
 · ·	For several sector of the second sector sec sector sector sect
	Page 4 of 22

i

Case Narrative

Samples for project COG/Continental A State TB were received by TraceAnalysis, Inc. on 2012-08-17 and assigned to work order 12082003. Samples for work order 12082003 were received intact at a temperature of 3.9 C.

Samples were analyzed for the following tests using their respective methods.

		Prep	Prep	\mathbf{QC}	Analysis
Test	Method	Batch	Date	Batch	Date
BTEX	S 8021B	79758	2012-08-20 at 10:27	94090	2012-08-20 at 10:27
BTEX	S 8021B	79759	2012-08-20 at 10:27	94092	2012-08-20 at 10:27
Chloride (Titration)	SM 4500-Cl B	79778	2012-08-22 at 00:40	94120	2012-08-22 at 07:10
TPH DRO - NEW	S 8015 D	79775	2012-08-21 at 17:00	94118	2012-08-21 at 17:21
TPH GRO	S 8015 D	79759	2012-08-20 at 10:27	94093	2012-08-20 at $10:27$

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 12082003 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: August 28, 2012	Work Order:12082003 COG/Continental A State TB	Page Number: 6 of 22 Eddy Co., NM
	· · · · · · · · · · · · · · · · · · ·	

Analytical Report

Sample: 307161 - CS-1 3' AH-3 3' Bottom

Laboratory: Lubbock		A ma lasti aa	1 Mathad.	0 00011	5		Deen Mathad	. 9 5025
$\Omega C Batah = 04000$		Doto Ano	luned.	200211	כ איז א		A nolymod Dr	. MT
Prep Batch: 79758		Sample P	reparation	2012-08	3-20 3-20		Prepared By	MT MT
				RL				
Parameter	Flag	Cert]	Result	Units	5	Dilution	\mathbf{RL}
Benzene	υ	1	<	0.0200	mg/Kg	5	1	0.0200
Toluene	υ	1	<	0.0200	mg/Kg	5	1	0.0200
Ethylbenzene	ł	1		0.333	mg/Kg	S	1	0.0200
Xylene		1		1.48	mg/Kg	5	1	0.0200
						Spike	Percent	Recovery
Surrogate	Flag	g Cert	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)			1.51	mg/Kg	1	2.00	76	70 - 130
4-Bromofluorobenzene (4-BFB)			2.23	mg/Kg	1	2.00	112	70 - 130

Sample: 307161 - CS-1 3' AH-3 3' Bottom

	Laboratory:	Lubbock					
	Analysis:	Chloride (Titration)	Analytic	al Method:	SM 4500-Cl B	Prep Method:	N/A
	QC Batch:	94120	Date Ana	alyzed:	2012-08-22	Analyzed By:	АH
	Prep-Batch:	-79778	Sample-H	Preparation:	2012_08-22	Prepared_By:	AH
				\mathbf{RL}			
· · · · · · · · · · · · · · · · · · ·	Parameter	Flag	Cert	Result	Units	Dilution	\mathbf{RL}
	Chloride			2290	mg/Kg	50	5.00

Sample: 307162 - CS-1 4' AH-3 4'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	94120	Date Analyzed:	2012-08-22	Analyzed By:	ΑH
Prep Batch:	79778	Sample Preparation:	2012-08-22	Prepared By:	AH

		CUG/Coi	ntinental A	State TB	Eddy
D		C .	RL	** 1.	
Parameter Chlorida	Flag	Cert	Kesult	Units	Dilution
			0.04	mg/ rtg	I
Sample: 3071	.63 - CS-2 3' AH-4 3' Bo	ttom			
Laboratory: I Analysis: (ubbock Chloride (Titration)	Analytical	Method:	SM 4500-Cl B	Prep Metho
QC Batch: 9)4120 Ý	Date Analy	yzed:	2012-08-22	Analyzed By
Prep Batch: 7	9778	Sample Pre	eparation:	2012-08-22	Prepared By
			BL		
Parameter	Flag	\mathbf{Cert}	Result	Units	Dilution
Chloride			2750	mg/Kg	20
Sample: 3071 Laboratory: I Analysis: C QC Batch: 9 Prep Batch: 7	. 64 - CS-2 4' AH-4 4' Jubbock Chloride (Titration) 14120 19778	Analytical Date Analy Sample Pre	Method: yzed: eparation:	SM 4500-Cl B 2012-08-22 2012-08-22	Prep Metho Analyzed By Prepared By
Parameter	Flag	Cert	Result.	Units	Dilution
			7.33	mg/Kg	1
Chloride			delate and a reason of the second	~,	

Laboratory: Analysis: QC Batch: Prep Batch:	Lubbock BTEX 94092 79759		Analytical M Date Analyze Sample Prepa	ethod: S 8021B ed: 2012-08- aration: 2012-08-	20 20	Prep Method: Analyzed By: Prepared By:	S 5035 MT MT
				\mathbf{RL}			
Parameter		Flag	Cert	Result	Units	Dilution	\mathbf{RL}
Benzene	<u></u>	υ	L	< 0.0200	mg/Kg	1	0.0200
Toluene			1	< 0.0200	mg/Kg	1	0.0200
Ethylbenzene	•		1	< 0.0200	mg/Kg	1	0.0200
						continued	

continued ...

Report Date: August 28, 2012 114-6401422		CO	Work Ord G/Contin		Page Number: 8 of 22 Eddy Co., NM			
sample 307165 continued								
				\mathbf{RL}				
Parameter	Flag	Cert		Result	Unit	s	Dilution	RL
Xylene	U	1	<	< 0.0200	mg/K	g	1	0.0200
Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.71	mg/Kg	1	2.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)			1.77	mg/Kg	1	2.00	88	70 - 130

Sample: 307165 - CS-3 3' AH-8 3' Bottom

Laboratory: Analysis: QC Batch: Prep Batch:	Lubbock TPH DRO - NE 94118 79775	W	Ana Data Sam	lytical Meth e Analyzed: ple Preparat	od: S 8015 2012-0 cion: 2012-0	9 D 8-21 8-21	Prep Me Analyzed Prepared	thod: N/A I By: DS I By: DS
					RL			
Parameter		Flag	Cert	Res	sult	Units	Dilution	\mathbf{RL}
DRO			1	<5	0.0	mg/Kg	1	50.0
Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			98.2	mg/Kg	1	100	98	70 - 130

Sample: 307165 - CS-3 3' AH-8 3' Bottom

 Laboratory:	Lübbock				•				•
Analysis:	TPH GRO		Analytic	al Method:	S 801	5 D		Prep Metho	d: S 5035
QC Batch:	94093		Date An	Date Analyzed:)8-20		Analyzed B	y: MT
 Prep Batch:	79759		Sample	Preparation	: 2012-0	08-20		Prepared By	y: MT
		j			RL				
Parameter		Flag	Cert	R	esult	Unit	ts	Dilution	\mathbf{RL}
GRO			1	<	<4.00	mg/K	g	1	4.00
		1					Spike	Percent	Recovery
Surrogate		Flag	Cert	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)			1.72	mg/Kg	1	2.00	86	70 - 130
4-Bromofluor	obenzene (4-BFB)			1.99	mg/Kg	1	2.00	100	70 - 130

Report-Date: August 28, 2012	Work-Order: 12082003	 Page-Number:-9 of 22
114-6401422	COG/Continental A State TB	Eddy Co., NM

Sample: 307166 - CS-4 3' AH-7 3' Bottom

Laboratory: Lubbock Analysis: BTEX QC Batch: 94092 Prep Batch: 79759		Analytica Date Ana Sample P	l Method: lyzed: reparation:	S 80211 2012-08 2012-08	3 ⊢20 ⊢20		Prep Method Analyzed By: Prepared By:	: S 5035 MT MT
		Sample I	reparation.				r roparou Dj.	
				\mathbf{RL}				
Parameter	Flag	Cert Result Units		Dilution	\mathbf{RL}			
Benzene	U	1	<().0200	mg/Kg		1	0.0200
Toluene	υ	1	<(0.0200	mg/Kg		1	0.0200
Ethylbenzene	υ	1	<(0.0200	mg/Kg		1	0.0200
Xylene	U	1	<(0.0200	mg/Kg		1	0.0200
		<u> </u>	D - 1	TT:	D'1-1'	Spike	Percent	Recovery
Surrogate	Flag	g Cert	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)			1.81	mg/Kg	1	2.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)			1.83	mg/Kg	1	2.00	92	70 - 130

Sample: 307166 - CS-4 3' AH-7 3' Bottom

Laboratory: Analysis: QC Batch: Prep Batch:	Lubbock Chloride (Titration) 94120 79778	Analytical Method: Date Analyzed: Sample Preparation:		SM 4500-Cl B 2012-08-22 2012-08-22	Prep Method: Analyzed By: Prepared By:	N/A AH AH
		[RL			
Parameter	Flag	Cert	Result	Units	Dilution	\mathbf{RL}
Chloride	· · ·		6.93	mg/Kg	1	5.00

Sample: 307166 - CS-4 3' AH-7 3' Bottom

Laboratory: Analysis: QC Batch: Prep Batch:	oratory: Lubbock lysis: TPH DRO - NEW Batch: 94118 p Batch: 79775		Ana Dat Sam	lytical Meth e Analyzed: ple Preparat	od: S 8015 2012-08 tion: 2012-08	D ⊱21 ⊱21	Prep Me Analyzed Prepared	thod: N/A l By: DS l By: DS
					RL			
Parameter		Flag	Cert	Res	sult	Units	Dilution	\mathbf{RL}
DRO		υ	1	<5	60.0	mg/Kg	1	50.0
Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			99.0	mg/Kg	1	100	99	70 - 130
			1					

Report Date: August 28, 2012	Work Order: 12082003	Page Number: 10 of 22
114-6401422	COG/Continental A State TB	Eddy Co., NM

Sample: 307166 - CS-4 3' AH-7 3' Bottom

1

Laboratory: Lubbock Analysis: TPH GRO QC Batch: 94093 Page Batch: 70750		Analytic Date An	al Metho alyzed:	Prep Method Analyzed By	l: S 5035 : MT			
Frep Daten. 19159		Sample	rreparau	RL	JO-20		r repared by	, IVI I
Parameter	Flag	Cert	Cert Result Ur		Unit	s	Dilution	\mathbf{RL}
GRO	U	1		<4.00	mg/K	g	1	4.00
Surrogate	Fla	g Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	· · · · · ·		1.89	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			1.95	mg/Kg	1	2.00	98	70 - 130

Sample: 307167 - CS-5 3' AH-5 3' Bottom

· .•5 ...

Laboratory: Lubbock Analysis: Chloride (Titration) QC Batch: 94120 Prep Batch: 79778	Analytical Method: Date Analyzed: Sample Preparation:		SM 4500-Cl B 2012-08-22 2012-08-22	Prep Method: Analyzed By: Prepared By:	N/A AH AH
	<i>a i</i>	RL		ът	
Parameter Flag	Cert	Result	Units	Dilution	KL
Chloride		24.3	mg/Kg	1	5.00
Sample: 307168 - CS-5 4'			· · · · · ·		
Laboratory:LubbockAnalysis:Chloride (Titration)QC Batch:94120Prep Batch:79778	Analytic Date An Sample l	al Method: alyzed: Preparation:	SM 4500-Cl B 2012-08-22 2012-08-22	Prep Method: Analyzed By: Prepared By:	N/A AH AH
		\mathbf{RL}			
Parameter Flag	Cert	Result	Units	Dilution	\mathbf{RL}
Chloride		14.6	mg/Kg	1	5.00

Report Date: August 28, 2012 114-6401422	CO	Work Ord G/Contine	er: 120820 ental A Sta	03 .te TB	Page Number: 11 of 22 Eddy Co., NM			
Method Blanks								
Method Blank (1) QC Batch: 94090								
QC Batch: 94090 Prep Batch: 79758	Date A QC Pre	nalyzed: eparation:	2012-08-2 2012-08-2	20 20		Analyzed Prepared	l By: MT By: MT	
	l			MDL				
Parameter Fla	g	Cert		\mathbf{Result}		Units	RL	
Benzene		1		< 0.00365		mg/Kg	0.02	
Toluene		1		< 0.00816		mg/Kg	0.02	
Ethylbenzene		1		< 0.00560		mg/Kg	0.02	
Xylene		1		< 0.00460		mg/Kg	0.02	
Surrogate Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits	
Trifluorotoluene (TFT)		1.86	mg/Kg	1	2.00	93	70 - 130	
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	70 - 130	
Method Blank (1) QC Batch: 94092 QC Batch: 94092 Prep Batch: 79759	Date A QC Pre	nalyzed: paration:	2012-08-2 2012-08-2	20		Analyzec Prepared	l By: MT By: MT	
Parameter Fla	œ	Cert		MDL Result		Units	RL	
Benzene	<u></u>	1		< 0.00365		mg/Kg	0.02	
Toluene		1	 Fit and a reserve the two provides of the reserve to the reserve to	< 0.00816		mg/Kg	0.02	
Ethylbenzene		1		< 0.00560	:	mg/Kg	0.02	
Xylene		1		< 0.00460		mg/Kg	0.02	
Surrogata Plag	Cert	Recult	Unite	Dilution	Spike A mount	Percent	Recovery	
Triffuorotoluene (TFT)	Uert	1 61	mg/Kg	1	2 00		70 - 120	
A-Bromofluorohanzana (A-BFB)		1.01	mg/Kg	1	2.00	84	70 - 130	
	1	1.01	mg/mg/	T	2.00	04	10 - 100	

.

114-6401422	Work Ord COG/Contine	er: 12082003 ntal A State		Page Number: 12 of 22 Eddy Co., NM			
Method Blank (1) QC Batch: 94093							
QC Batch: 94093 Prep Batch: 79759	Date Analyzed: QC Preparation:	2012-08-20 2012-08-20			Analyzec Preparec	d By: MT d By: MT	
Parameter Flag	Cert		MDL Besult		Units	RL	
GRO	1		< 0.359		mg/Kg	4	
Surrogate Flag	Cert Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits	
Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB)	1.72 1.76	mg/Kg mg/Kg	1 1	2.00 2.00	86 88	70 - 130 70 - 130	
QC Batch: 94118 Prep Batch: 79775	Date Analyzed:	2012-08-21			Analyze Prepare	ed By: DS	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO	Date Analyzed: QC Preparation: Cert	2012-08-21 2012-08-21	MDL Result <15.3		Analyze Prepare Units mg/Kg	ed By: DS d By: DS RL 50	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO Surrogate Flag Cert	Date Analyzed: QC Preparation: Cert 1 Result Units	2012-08-21 2012-08-21 Dilutio	MDL Result <15.3	Spike Amount	Analyze Prepare Units mg/Kg Percent Recovery	ed By: DS d By: DS RL 50 Recovery Limits	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO Surrogate Flag Cert n-Tricosane	Date Analyzed: QC Preparation: Cert 1 Result Units 106 mg/Kg	2012-08-21 2012-08-21 Dilutio	MDL Result <15.3	Spike Amount 100	Analyze Prepare Units mg/Kg Percent Recovery 106	ed By: DS d By: DS RL 50 Recovery Limits 70 - 130	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO Surrogate Flag Cert n-Tricosane	Date Analyzed: QC Preparation: Cert 1 Result Units 106 mg/Kg	2012-08-21 2012-08-21 Dilutio 1	MDL Result <15.3	Spike Amount 100	Analyze Prepare Units mg/Kg Percent Recovery 106	ed By: DS d By: DS RL 50 Recovery Limits 70 - 130	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO Surrogate Flag Cert n-Tricosane Method Blank (1) QC Batch: 94120	Date Analyzed: QC Preparation: Cert 1 Result Units 106 mg/Kg	2012-08-21 2012-08-21 Dilutio	MDL Result <15.3	Spike Amount 100	Analyze Prepare Units mg/Kg Percent Recovery 106	ed By: DS d By: DS RL 50 Recovery Limits 70 - 130	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO Surrogate Flag Cert n-Tricosane Method Blank (1) QC Batch: 94120 QC Batch: 94120 Prep Batch: 79778	Date Analyzed: QC Preparation: Cert 1 Result Units 106 mg/Kg Date Analyzed: QC Preparation:	2012-08-21 2012-08-21 Dilutio 1 2012-08-22 2012-08-22	MDL Result <15.3	Spike Amount 100	Analyze Prepare Units mg/Kg Percent Recovery 106	d By: DS d By: DS RL 50 Recovery Limits 70 - 130 d By: AH d By: AH	
QC Batch: 94118 Prep Batch: 79775 Parameter Flag DRO Surrogate Flag Cert n-Tricosane Method Blank (1) QC Batch: 94120 QC Batch: 94120 Prep Batch: 79778 Parameter Flag	Date Analyzed: QC Preparation: Cert 1 Result Units 106 mg/Kg Date Analyzed: QC Preparation: Cert	2012-08-21 2012-08-21 Dilutio 1 2012-08-22 2012-08-22	MDL Result <15.3 n MDL Result	Spike Amount 100	Analyze Prepare Units mg/Kg Percent Recovery 106 Analyze Prepared Units	d By: DS d By: DS Recovery Limits 70 - 130 d By: AH d By: AH d By: AH	

×

Report Date: August 28, 2012	Work Order: 12082003	Page Number: 13 of 22
114-6401422	COG/Continental A State TB	Eddy Co., NM

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

	QC Batch: 94090			Date Anal	yzed: 2	012-08-20			ر	Analyz	ed By:	\mathbf{MT}
	Prep Batch: 79758		ļ	QC Prepar	ation: 2	012-08-20			J	Prepare	ed By:	MT
	•									-	•	
				T CC			g_ 11_	M				D
	D			LCS	TT	D 11	Spike	Ma	itrix	n		Kec.
	Param	<u> </u>	<u> </u>	Result	Units	Dil.	Amoun	t Re	sult	Rec.	L	Jimit
	Benzene		1	1.88	mg/Kg	ς <u>ι</u>	2.00	<0.0	JU365	94	75.	4 - 120
	Toluene		1	1.81	mg/Kg	, I	2.00	<0.0	0816	90	74.	9 - 120
	Ethylbenzene		1	1.84	mg/Kg	; 1	2.00	<0.0	J0560	92	78.	1 - 120
	Xylene		1	5.54	mg/Kg	5 1	6.00	<0.0)0460	92	77.	3 - 120
	Percent recovery is based on the s	pike re	sult!	RPD is bas	sed on the	spike and	l spike du	plicate re	sult.			
			Ц	CSD		Spike	Matrix	c	Re	ec.		RPD
	Param	F C	Ŕ	esult Unit	ts Dil.	Amount	Result	Rec.	Lin	nit	RPD	Limit
	Benzene	1	1	.89 mg/I	ζg 1	2.00	<0.0036	35 94	75.4 -	120	0	20
	Toluene	1	1	.85 mg/H	Kg 1	2.00	<0.0081	l6 92	74.9 -	120	2	20
	Ethylbenzene	1	1	.88 mg/H	Kg 1	2.00	< 0.0056	50 94	78.1 -	120	2	20
	Xylene	1	5	.65 mg/H	ζg 1	6.00	<0.0046	50 94	77.3 -	120	2	20
	Percent recovery is based on the s	pike re	sult.	RPD is bas	sed on the	spike and	spike du	plicate re	esult.			
		F F					· · ·	x · · · · · · · · · · ·				
				LCS	LCSD			Spike	LCS	LCS	D	Rec.
	Surrogate			Result	Result	Units	Dil. A	Amount	Rec.	Rec	•	Limit
	Trifluorotoluene (TFT)			1.94	1.92	mg/Kg	1	2.00	97	96	7	0 - 130
	4=Bromofluorobenzene (4=BFB)			1.84	1.88	mg/Kg-	1	-2.00		94	7	0 = 130
w	ที่ในสมสัตร์ เขาสุดสีตร์ ก็และ แต่เรลา หลางแห่ง, กรุ่งแห่งกรุ และ 1 สุดหลาย และกรุ เขาการ และและ คุณ ขางสาทา	anna thaire a r	** **** *	marte de la millo de la millo de la millo de	and the second second second					.e	100-0, . To company of a	•
	Laboratory Control Spike (LC	CS-1)										
	QC Batch: 94092			Date Analy	vzed: 20	012-08-20			1	Analyze	ed By:	МТ
	Prep Batch: 79759			QC Prepar	ation: 2	012-08-20			J	Prepare	ed By:	MT
	*			•						•	U	
				LCS			Spike	Ma	trix		J	Rec.
	Param	F	C	Result	Units	Dil.	Amount	t Re	sult	Rec.	L	imit
	Benzene		1	1.83	mg/Kg	; 1	2.00^{-1}	<0.0)0365	92	75.4	4 - 120
	Toluene		1	1.80	mg/Kg	; 1	2.00	<0.0)0816	90	74.	9 - 120
	Ethylbenzene		1	1.79	mg/Kg	; 1	2.00	<0.0)0560	89	78.	1 - 120
	Xylene		1	5.35	mg/Kg	1	6.00	<0.0)0460	89	77.3	3 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: August 28, 2012 114-6401422			(Wor COG/C	rk Order Continent	: 12082003 al A State	TB		Pa	ge Num E	nber: ddy (14 of 22 Co., NM
Param	F	C I	LCSD	Unit		Spike	Matriz	x t Rec	Re Lin	c.	RPD	RPD Limit
Benzene		1	1.80	mg/K	<u>e</u> 1	2.00	< 0.003	65 90	75.4 -	· 120	2	20
Toluene		1	1.74	mg/K	g 1	2.00	< 0.008	16 87	74.9	- 120	3	20
Ethylbenzene		1	1.76	mg/K	.g 1	2.00	< 0.005	60 88	78.1 -	- 120	2	20
Xylene		1	5.27	mg/K	.g 1	6.00	< 0.004	60 88	77.3 -	120	2	20
Percent recovery is based on the s	spike	resul	t. RPD	is bas	ed on the	e spike and	spike du	plicate r	esult.			
-	-		т.	aa				Q., 11	T CR	T COL	n	Dee
Surrogata				Jð sult	LUSD Rosult	Unito	Dil	A mount	Baa	- LUSI Rec	U	nec. Limit
Trifuereteluene (TET)				<u>suit</u>	$\frac{1}{1}$	ma/Ka	1	2 00	Rec. 84	84		$\frac{11111}{10}$
4-Bromofluorobenzene (4-BFB)			1	09 74	1.09	mg/Kg	1	2.00	87	88	2	0 - 130
QC Batch: 94093 Prep Batch: 79759		_	Date QC	Analy Prepara	zed: 2 ation: 2	2012-08-20 2012-08-20	Spik	e M	latrix	Analyze Prepare	ed By ed By	MT MT
Param		F	<u>C 1</u>	Result	Unit	s Dil.	Amou	int R	esult	Rec.]	Limit
GRO			1	16.8	mg/F	<u>(g 1</u>	20.0) <	0.359	84	68	.9 - 120
Percent recovery is based on the s	spike	resul	t'. RPD	is base	ed on the	e spike and	spike du	plicate r	esult.			
			LCSD			Spike	Matri	x	\mathbf{Re}	c.		D D D
Daram	n	С	b 1/			1						RPD
1 & & & & & & & & & & & & & & & & & & &	F.	0	Result	Unit	ts Dil.	. Amount	Resul	t Rec.	Lin	nit l	RPD	RPD Limit
GRO	F.	1	Result 17.3	Unit mg/H	ts Dil. Kg 1	. Amount 20.0	Resul <0.35	t Rec. 9 86	Lin 68.9 -	nit 1 120	RPD 3	Limit 20
GRO Percent recovery is based on the s	F pike	ı resul	t. RPD	Unit mg/I is base	ts Dil. Kg 1 ed on the	Amount 20.0 e spike and	Resul <0.35 spike du	t Rec. 9 86 plicate r	Lim 68.9 - esult.	nit 1 120	RPD 3	Limit 20
GRO Percent recovery is based on the s	F spike	ı resul	t. RPD	Unit mg/I is base	ts Dil. Kg 1 ed on the	. Amount 20.0 e spike and	Resul <0.35 spike du	t Rec. 9 86 plicate re	Lim 68.9 - esult.	l CS	RPD 3	RPD Limit 20
GRO Percent recovery is based on the s	spike	ı resul	t. RPD	Unit mg/I is base CS sult	ts Dil. Kg <u>1</u> ed on the LCSD Besult	. Amount 20.0 e spike and Units	Resul <0.35 spike du Dil	t Rec. 9 86 plicate re Spike Amount	Lim 68.9 - esult. LCS Bec.	hit 1 120 LCSI Bec.	RPD 3	RPD Limit 20 Rec. Limit
GRO Percent recovery is based on the s Surrogate Trifluorotoluene (TFT)	F spike	ı resul	Result 17.3 t. RPD L(Res 1.	Unit mg/I is base CS sult 71	ts Dil. Kg 1 ed on the LCSD Result 1.85	Amount 20.0 e spike and Units mg/Kg	Resul <0.35 spike du Dil.	t Rec. 9 86 plicate r Spike Amount 2.00	Lim 68.9 - esult. LCS Rec. 86	hit l 120 LCSI Rec. 92	RPD 3 D	RPD Limit 20 Rec. Limit 0 - 130
GRO Percent recovery is based on the s Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB)	F spike	ı resul	Result 17.3 t. RPD L0 Res 1. 1.	Unit mg/l is base CS sult 71 98	ts Dil. Kg 1 ed on the LCSD Result 1.85 1.93	Amount 20.0 e spike and Units mg/Kg mg/Kg	Resul <0.35 spike du Dil. 1 1	t Rec. 9 86 plicate re Spike Amount 2.00 2.00	Lin 68.9 - esult. LCS Rec. 86 99	120 120 LCSI Rec. 92 96	RPD 3 D 7	RPD Limit 20 Rec. Limit 0 - 130 '0 - 130
GRO Percent recovery is based on the s Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LC QC Batch: 94118 Prep Batch: 79775	 spike	resul	Result 17.3 t. RPD L0 Res 1. 1. 1. Date QC	Unit mg/l) is base CS sult 71 98 2 Analy Prepara	ts Dil. Kg 1 ed on the LCSD Result 1.85 1.93 vzed: 2 ation: 2	Amount 20.0 e spike and Units mg/Kg mg/Kg 2012-08-21 2012-08-21	Resul <0.35 spike du Dil. 1 1	t Rec. 9 86 plicate r Spike Amount 2.00 2.00	Lim 68.9 - esult. LCS Rec. 86 99	nit 1 120 LCSI Rec. 92 96 Analyz Prepar	RPD 3 D 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	RPD Limit 20 Rec. Limit 0 - 130 70 - 130 State 7: DS DS
I at alli GRO Percent recovery is based on the s Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LC QC Batch: 94118 Prep Batch: 79775	 spike	resul	Result 17.3 t. RPD L0 Res 1. 1. 1. Data	Unit mg/I is base CS sult 71 98 e Analy Prepara	ts Dil. Kg 1 ed on the LCSD Result 1.85 1.93 vzed: 2 ation: 2	Amount 20.0 e spike and Units mg/Kg mg/Kg 2012-08-21 2012-08-21	Resul <0.35 spike du Dil. 1 1	t Rec. 9 86 plicate r Spike Amount 2.00 2.00	Lim 68.9 - esult. LCS Rec. 86 99	nit 1 120 LCSI Rec. 92 96 Analyz Prepar	RPD 3 D 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	RPD Limit 20 Rec. Limit 0 - 130 0 - 130 r: DS r: DS Bac
GRO Percent recovery is based on the s Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LC QC Batch: 94118 Prep Batch: 79775 Param	F spike	resul	Result 17.3 t. RPD L(Res 1. 1. 1. Data QC	Unit mg/l) is base CS sult 71 98 e Analy Prepara LCS Result	ts Dil. Kg 1 ed on the LCSD Result 1.85 1.93 vzed: 2 ation: 2	Amount 20.0 e spike and Units mg/Kg mg/Kg 2012-08-21 2012-08-21	Resul <0.35 spike du Dil. 1 1 Spi	t Rec. 9 86 plicate r Spike Amount 2.00 2.00	Lim 68.9 - esult. LCS Rec. 86 99	nit 1 120 LCSI Rec. 92 96 Analyz Prepar	RPD 3 D 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	RPD Limit 20 Rec. Limit '0 - 130 '0 - 130 '' - 130 <
GRO Percent recovery is based on the s Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LC QC Batch: 94118 Prep Batch: 79775 Param DRO	F spike)	Result 17.3 t. RPD L0 Res 1. 1. 1. Data QC C	Unit mg/l) is base CS sult 71 98 e Analy Prepara LCS Result 259	ts Dil. Kg 1 ed on the LCSD Result 1.85 1.93 vzed: 2 ation: 2	Amount 20.0 e spike and Units mg/Kg mg/Kg 2012-08-21 2012-08-21 2012-08-21 its Dil.	Resul <0.35 spike du Dil. 1 1 1 Spi Amo	t Rec. 9 86 plicate r Spike Amount 2.00 2.00	Lim 68.9 - esult. LCS Rec. 86 99	nit 1 120 LCSI Rec. 92 96 Analyz Prepar Rec. 104	RPD 3 D r r r r r r r r r r r r r r r r r	RPD Limit 20 Rec. Limit 0 - 130 0 - 130 Sec. r: DS Sec. Rec. Limit 0 - 130 Sec.

· ·

;

F	a	LCSD								
F	~	1000)		Spike	Matrix		Rec.		RPD
	C	Result	: Uni	ts Dil.	Amount	Result	Rec.	Limit	RPD	Limit
	1	250	mg/l	Kg 1	250	<15.3	100	70 - 130	0 4	20
on the spike	resul	t. RPI) is base	d on the	spike and s	spike duplic	ate resu	ılt.		
LC	S	LC	SD			Spike	LCS	S LO	CSD	Rec.
Res	ult	Res	ult	Units	Dil.	Amount	Rec	. R	lec.	Limit
99.	.3	98	.1	mg/Kg	1	100	99	{	98	70 - 130
		Date QC	e Analyz Prepara	zed: 20 tion: 20	12-08-20 12-08-20			An: Pre	alyzed B epared B	y: MT y: MT
т	2		MS	Unita	Dil	Spike Amount	Matr	ix 14 D	0.00	Rec.
F		<u>ψ π</u>	1 22	mg/Kg	1 1	2 00		165 D	$\frac{100}{00}$ 3	7.6 149
		1	1.03	mg/Kg	1	2.00		816 I	92 J 97 3	86 - 153
		ļ	2.03	mg/Kg	1	2.00	< 0.00	560 1	102 3	6.7 - 172
		1		0/ 0	1	6.00	<0.00	100 1		
		1	6.06	mg/Kg	T	0.00	$< 0.00^{4}$	400 1	LOI 3	6.7 - 173
on the spike	resul	t. RPI	6.06) is base	mg/Kg d on the	spike and s	spike duplic	ate resu	460 1 ilt.	101 3	6.7 - 173
on the spike	resul	t. RPI	6.06) is base	mg/Kg d on the	spike and s Spike	spike duplic Matrix	<0.004	400 1 ilt. Rec.	101 3	RPD
on the spike F	resul C F	t. RPI MSD Result	6.06) is base Units	<u>mg/Kg</u> d on the Dil.	spike and s Spike Amount	spike duplic Matrix Result	ate resu Rec.	ilt. Rec. Limit	101 3 RPI	RPD Limit
on the spike F	resul C F	t. RPI MSD Result 1.81	6.06) is base Units mg/Kg	mg/Kg d on the Dil. g 1	spike and s Spike Amount 2.00	spike duplic Matrix Result <0.00365	<0.004 ate resu Rec. 90	400 1 ilt. Rec. Limit 37.6 - 14	RPI 12 1	RPD) Limit 20
on the spike	resul $\frac{C}{1}$	1 t. RPD MSD Result 1.81 1.93	6.06) is base Units mg/Kg mg/Kg	mg/Kg d on the Dil. g 1 g 1	spike and s Spike Amount 2.00 2:00	spike duplic Matrix Result <0.00365	20.004 ate resu <u>Rec.</u> 90 96	400 1 Ilt. Rec. Limit 37.6 - 14 38:615	RPI 12 1 130-	RPD D Limit 20 20
on the spike	resul C H	1 t. RPI MSD Result 1.81 1.93 2.05	6.06) is base Units mg/Kg mg/Kg	mg/Kg d on the Dil. g 1 g 1 g 1	spike and s Spike Amount 2.00 2.00 2.00	spike duplic Matrix Result <0.00365 <0.00816 <0.00560	Rec. 90 96 102	Rec. Limit 37.6 - 14 38:615 36.7 - 17	RPI 12 1 13 0 72 1	RPD D Limit 20 20 20
on the spike	resul	1 t. RPD MSD Result 1.81 1.93 2.05 6.14	6.06) is base Units mg/Kg mg/Kg mg/Kg	$\frac{\text{mg/Kg}}{\text{d on the}}$ $\frac{\text{Dil.}}{\text{g}}$ $\frac{1}{\text{g}}$ $\frac{1}{\text{g}}$ $\frac{1}{\text{g}}$ $\frac{1}{\text{g}}$	1 spike and s Amount 2.00 -2:00 2.00 6.00	spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460	< 0.004	Rec. Limit 37.6 - 14 38:615 36.7 - 17 36.7 - 17	RPI 12 1 13 0 72 1 73 1	RPD D Limit 20 20 20 20
on the spike F on the spike	resul	1 t. RPI MSD Result 1.81 1.93 2.05 6.14 t. RPI	6.06) is base Units mg/Kg mg/Kg mg/Kg mg/Kg	mg/Kg d on the Dil. g 1 g 1 g 1 g 1 d on the	spike and s Spike Amount 2.00 2.00 6.00 spike and s	spike duplic Matrix Result <0.00365 <0.00816 <0.00560 <0.00460 spike duplic	Rec. 90 96 102 102	Rec. Limit 37.6 - 14 38:615 36.7 - 17 36.7 - 17 ilt.	RPI 42 1 53 0 72 1 73 1	RPD D Limit 20 20 20 20
on the spike	resul <u>C</u> I 1 1 resul	1 t. RPI MSD Cesult 1.81 1.93 2.05 6.14 t. RPI	6.06 Units base Units mg/Kg mg/Kg mg/Kg D is base MS	mg/Kg d on the Dil. g 1 g 1 g 1 g 1 g 1 d on the MSD Besult	I spike and s Amount 2.00 2.00 6.00 spike and s	Matrix Result <0.00365	Rec. 90 96 102 102 ate resu bike	400 1 It. Rec. Limit 37.6 - 14 38:6 - 15 36.7 - 17 36.7 - 17 ilt. MS Bec	RPI 12 1 13 0 72 1 73 1 MSD Bec	RPD D Limit 20 20 20 20 20 1 Rec. Limit
on the spike F on the spike	resul	1 t. RPI MSD Cesult 1.81 1.93 2.05 6.14 t. RPI M Re 1	6.06 J is base Units mg/Kg mg/Kg mg/Kg mg/Kg J is base MS sult 98	$\frac{\text{mg/Kg}}{\text{d on the}}$ $\frac{\text{Dil.}}{\text{g}}$ $\frac{1}{\text{g}}$ $\frac{1}{\text{g}}$ $\frac{1}{\text{g}}$ $\frac{1}{\text{d on the}}$ $\frac{\text{MSD}}{\text{Result}}$ $\frac{1.98}{\text{g}}$	I spike and s Amount 2.00 2.00 6.00 spike and s Units mg/Kg	5000 5000	Rec. 90 96 102 102 20 20 20 20 20 20 20 20 20 20 20 20 2	Rec. Limit 37.6 - 14 38:6 - 15 36.7 - 17 36.7 - 17 dlt. MS Rec. 99	RPI 12 1 13 0 72 1 73 1 MSD Rec. 99	RPD D Limit 20 20 20 20 20 20 20 20 20 20 20 20 20
	Rest 99. Spiked Sam F	Result 99.3 Spiked Sample: F	Result Res 99.3 98 Spiked Sample: 306704 Data QC F C I 1 I 1	ResultResult99.398.199.398.1Spiked Sample:306704Date Analyz QC PreparaFCResulti1.83i1.942.03	Result Result Units 99.3 98.1 mg/Kg Spiked Sample: 306704 Date Analyzed: 20 QC Preparation: 20 MS F F C Result Units 1 1.83 mg/Kg 1 1.94 mg/Kg 2.03 mg/Kg	Result Result Units Dil. 99.3 98.1 mg/Kg 1 Spiked Sample: 306704 Date Analyzed: 2012-08-20 QC Preparation: 2012-08-20 MS F C Result Units Dil. i 1.83 mg/Kg 1 i 1.94 mg/Kg 1 i 2.03 mg/Kg 1 i 6.06 mg/Kg 1	Result Result Units Dil. Amount 99.3 98.1 mg/Kg 1 100 Spiked Sample: 306704 Date Analyzed: 2012-08-20 QC Preparation: 2012-08-20 MS Spike F C Result Units Dil. Amount i 1.83 mg/Kg 1 2.00 1 9.00 i 1.94 mg/Kg 1 2.00 1 2.00 1 2.00 1 2.00 1 2.00 1 2.00 1 2.00 1 2.00 1 1 0 <t< td=""><td>Result Result Units Dil. Amount Rec 99.3 98.1 mg/Kg 1 100 99 Spiked Sample: 306704 Date Analyzed: 2012-08-20 QC Preparation: 2012-08-20 MS Spike Matr Result Units Dil. Amount Result F C Result Units Dil. Amount Result 1 1.83 mg/Kg 1 2.00 <0.000</td> 1 1.94 mg/Kg 1 2.00 <0.000</t<>	Result Result Units Dil. Amount Rec 99.3 98.1 mg/Kg 1 100 99 Spiked Sample: 306704 Date Analyzed: 2012-08-20 QC Preparation: 2012-08-20 MS Spike Matr Result Units Dil. Amount Result F C Result Units Dil. Amount Result 1 1.83 mg/Kg 1 2.00 <0.000	Result Result Units Dil. Amount Rec. R 99.3 98.1 mg/Kg 1 100 99 99 Spiked Sample: 306704 Date Analyzed: 2012-08-20 An QC Preparation: 2012-08-20 Pre MS Spike Matrix F C Result Units Dil. Amount Result H i 1.83 mg/Kg 1 2.00 <0.00365	Result Result Units Dil. Amount Rec. Rec. 99.3 98.1 mg/Kg 1 100 99 98 Spiked Sample: 306704 Date Analyzed: 2012-08-20 Analyzed B Prepared B QC Preparation: 2012-08-20 Prepared B Prepared B Prepared B MS Spike Matrix Prepared B Prepared B Prepared B I 1.83 mg/Kg 1 2.00 <0.00365

Report Date: August 28, 201 114-6401422		Wori COG/Ce	k Order: ontinenta	12082003 I A State	TB		Page	e Numł Ed	oer: 1 dy C	l6-of-22 50., NM		
				MG			C	М-	4			Daa
Param		F	τ	IVID Coult	Unito	Dil	Бріке			Dee	T	nec.
Bongono		r (י ב		Units mg/Kg	<u></u>	Amoun	$\sim ne$	Suit	<u>nec.</u>	27	AIIIIU 6 149
Toluene				1.82	mg/Kg	1	2.00	<0.0	10303	91 Q/	38	6 - 142
Ethylbenzene				2.02	mg/Kg	1	2.00	<0.0	0510	94 101	36	7 - 172
Xylene			1	6.03	mg/Kg	1	6.00	<0.0	0460	100	36.	7 - 173
Persont recovery is based on	the only		DDI) ia haaa	d on the	aniles and	aniles due	alianto no				
recent recovery is based on	ule spike	e resun	. RF1	J is base	a on the	spike and	spike du	plicate re	sun.			
		1	MSD			Spike	Matrix		Rec.			RPD
Param	\mathbf{F}	CR	esult	Units	Dil.	Amount	Result	Rec.	Limi	t R	PD	Limit
Benzene		1	1.72	mg/Kg	g 1	2.00	< 0.0036	5 86	37.6 - 1	142	6	20
Toluene		1	1.79	mg/Kg	g 1	2.00	< 0.0081	690	38.6 - 1	153	5	20
Ethylbenzene		1	1.89	mg/Kg	g 1	2.00	< 0.0056	0 94	36.7 - 1	172	7	20
Xylene		1	5.64	mg/Kg	g 1	6.00	< 0.0046	0 94	36.7 -	173	7	20
Percent recovery is based on	the spike	e result	. RPI) is base	d on the	spike and	spike du	olicate re	sult.			
					MOD			G., 11.,	MC	MOD		D
S				MD	MSD	TT :+ -	10	Бріке Алиала	INIS Dee	MSD		Rec.
Surrogate			RU 1	esuit 1	Result		1	Amount	Rec.	Rec.		$\frac{\text{Limit}}{0}$
1 Promofiuoroborgono (4 DE)	D)		1	90	1.70	mg/Kg	1	2	90	00	7	0 - 130
4-Bromondorobenzene (4-BF)	5)		L 1		1.70	mg/Kg	1	2	90	00		0 - 130
Matrix Spike (xMS-1) QC Batch: 94093 Prep Batch: 79759	Spiked S	ample:	Dat QC	e Analyz Prepara MS	ed: 20 tion: 20	12-08-20 12-08-20	Spike	e Ma	A P: atrix	nalyzed repared	By: By:	MT MT Rec.
Param (DDO)		F.	<u> </u>	Result	Units	Dil.	Amou	nt Re	sult	Rec.		Jimit
GRO			1	13.9	mg/Kg	<u>5 1</u>	20.0	<0	1.359	70	68.	9 - 120
Percent recovery is based on t	the spike	e result	. RPI) is base	d on the	spike and	spike du	olicate re	sult.			
			MSD			Spike	Matrix		Rec.			RPD
Param	F	СИ	Result	Units	Dil.	Amount	Result	Rec.	Limit	R	PD	Limit
GRO		1	14.7	mg/K	g 1	20.0	< 0.359	74	68.9 - 1	20	6	20
Percent recovery is based on t	he spike	result	RPI) is base	d on the	spike and	spike du	olicate re	sult.			
				MS	MSD			Spike	MS	MSD		Rec
Surrogate			1	Result	Result	Units	Dil.	Amount	Rec.	Rec.		Limit
Trifluorotoluene (TFT)	Qar	Oar	1	1.39	1.57	mg/Kg	1	2	70	78	7	0 - 130
4-Bromofluorobenzene (4-BFI	3)			1.86	1.93	mg/Kg	1	2	93	96	.7	0 - 130
			1			0, 0						

ł

.

 Report Date: August 28, 2 114-6401422	012	C	Work-O OG/Conti	rder:-12 inental	2082003 A State TI	3		Page	e Number Eddy	:-17 of 22 7 Co., NM
Matrix Spike (MS-1)	Spiked Sample:	307166								
QC Batch: 94118		Date	Analyzed	: 201	2-08-21			4	nalyzed	By: DS
Prep Batch: 79775		QCP	reparatio	n: 201	2-08-21			ł	repared	By: D5
	_		MS			Spike	Ma	atrix	_	Rec.
Param	F	C R	lesult	Units	Dil.	Amount	Re	esult	Rec.	Limit
DRO		1	187	mg/Kg	1	250	<	15.3	75	70 - 130
Percent recovery is based of	n the spike result	t. RPD	is based o	n the sp	oike and sp	ike duplica	ate rest	ult.		
-	-	1.000		-	~					
		MSD	TT 1 .		Spike	Matrix	Ð	Rec		RPD
Param	F C	Result	Units	Dil.	Amount	Result	Rec.	Lim	$\frac{t}{20}$ 10	<u> </u>
DRO	1	206	mg/Kg		250	<15.3	82	70 - 1	30 10	20
Percent recovery is based of	n the spike result	t. RPD	is based o	n the sp	oike and sp	ike duplica	ate resi	ult.		
	MG	MOT	`			G., 11.,	14			D
C (MS	MSI	ן ע זו		D:1	Spike	M D	5	MOD	Rec.
Surrogate	Result	rtesu		mts	<u></u>	Amount		<u>.</u>	Rec.	70 120
n-Tricosane	81.2	88.0) mg	g/ng	<u>I</u>	100	0	1	00	10 - 130
Matrix Spike (MS-1) QC Batch: 94120 Prep Batch: 79778	Spiked Sample:	307168 Date QC P	Analyzed: reparation	: 2012 n: 2012	2-08-22 2-08-22			A P	nalyzed 1 repared 1	Ву: АН Зу: АН
D	T		MS	TT:4 -	Dil	Spike	M	atrix	Dee	Rec.
 raram <u>Cularia</u>	Ľ.		loc-		DII.	Amount			rtec.	
Gnioride		1	-109	mg/ng		100		3.05		
Percent recovery is based of	n the spike result	t. RPD	is based o	n the sp	oike and sp	ike duplica	te rest	ult.		222
 	······································	MSD -			Spike-	-Matrix	 D	Rec		
Param	F C	Kesult	Units	Dil.	Amount	Kesult	Rec.	Limi	t RPI	J Limit
Chloride		105	mg/Kg	1	100	<3.05	105	80 - 1	20 0	20

{

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

 Report Date: August 28, 2012 114-6401422

Work Order: 12082003 COG/Continental A State TB Page Number: 18 of 22 Eddy Co., NM

Calibration Standards

Standard (CCV-1)

QC Batch: 94090			Date Ana	alyzed: 201	Analyzed By: MT			
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		1	mg/kg	0.100	0.0928	93	80 - 120	2012-08-20
Toluene		1	mg/kg	0.100	0.0904	90	80 - 120	2012-08-20
Ethylbenzene		1	mg/kg	0.100	0.0903	90	80 - 120	2012-08-20
Xylene		1	mg/kg	0.300	0.274	91	80 - 120	2012-08-20

Standard (CCV-2)

QC Batch: 94090			Date Ana	alyzed: 201	Analyzed By: MT			
				CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene	·····	1	mg/kg	0.100	0.0934	93	80 - 120	2012-08-20
Toluene		1	mg/kg	0.100	0.0918	92	80 - 120	2012-08-20
Ethylbenzene		1	mg/kg	0.100	0.0914	91	80 - 120	2012-08-20
Xylene		1	mg/kg	0.300	0.272	91	80 - 120	2012-08-20

Standard (CCV-3)

QC Batch: 94	090		Date Ana	alyzed: 201	Analyzed By: MT			
Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/kg	0.100	0.0921	92	80 - 120	2012-08-20
Toluene		1	mg/kg	0.100	0.0902	90	80 - 120	2012-08-20
Ethylbenzene		1	mg/kg	0.100	0.0923	92	80 - 120	2012-08-20
Xylene		1	mg/kg	0.300	0.276	92	80 - 120	2012-08-20
114-6401422	28, 2012		COG	Vork-Order: /Continents	-12082003	B	Page Nu	mber: 19 of 2 Eddy Co., NM
--	----------	--------------------------	---	---	--	---	--	--
Standard (CCV-1)								
Report-Date: August 28, 2012 114-6401422 Standard (CCV-1) QC Batch: 94092 Param Flag Cert Benzene 1 Toluene 1 Ethylbenzene 1 Xylene 1 Standard (CCV-2) QC Batch: 94092			Date Ana	alyzed: 201	Analyz	zed By: MT		
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		1	mg/kg	0.100	0.0923	92	80 - 120	2012-08-20
Toluene		1	mg/kg	0.100	0.0901	90	80 - 120	2012-08-20
Ethylbenzene		1	mg/kg	0.100	0.0882	88	80 - 120	2012-08-20
Xylene		1	mg/kg	0.300	0.264	88	80 - 120	2012-08-2
QC Batch: 94092		Date Ana	alyzed: 201	12-08-20		Analyz	zed By: MT	
QC Batch: 94092			Date Ana	alyzed: 201	12-08-20		Analyz	zed By: MT
QC Batch: 94092			Date Ana	alyzed: 201 CCVs	12-08-20 CCVs	CCVs	Analyz	zed By: MT
QC Batch: 94092			Date Ana	alyzed: 201 CCVs True	12-08-20 CCVs Found	CCVs Percent	Analy: Percent Recovery	zed By: MT Date
QC Batch: 94092	Flag	Cert	Date Ana Units	alyzed: 201 CCVs True Conc.	2-08-20 CCVs Found Conc.	CCVs Percent Recovery	Analyz Percent Recovery Limits	zed By: MT Date Analyzed
QC Batch: 94092 Param Benzene	Flag	Cert	Date Ana Units mg/kg	Alyzed: 201 CCVs True Conc. 0.100	12-08-20 CCVs Found Conc. 0.0928	CCVs Percent Recovery 93	Analyz Percent Recovery Limits 80 - 120	zed By: MT Date Analyzed 2012-08-20
QC Batch: 94092 Param Benzene Toluene	Flag	Cert 1	Date Ana Units mg/kg mg/kg	alyzed: 201 CCVs True Conc. 0.100 0.100	CCVs Found Conc. 0.0928 0.0903	CCVs Percent Recovery 93 90	Analyz Percent Recovery Limits 80 - 120 80 - 120	zed By: MT Date <u>Analyzed</u> 2012-08-20 2012-08-20
QC Batch: 94092 Param Benzene Toluene Ethylbenzene	Flag	Cert 1 1	Date Ana Units mg/kg mg/kg	Alyzed: 201 CCVs True Conc. 0.100 0.100 0.100	CCVs Found Conc. 0.0928 0.0903 0.0899	CCVs Percent Recovery 93 90 90	Analyz Percent Recovery Limits 80 - 120 80 - 120 80 - 120	zed By: MT Date Analyzed 2012-08-20 2012-08-20 2012-08-20
QC Batch: 94092 Param Benzene Toluene Ethylbenzene Xylene	Flag	Cert 1 1 1 1	Date Ana Units mg/kg mg/kg mg/kg mg/kg	Alyzed: 201 CCVs True Conc. 0.100 0.100 0.100 0.300	12-08-20 CCVs Found Conc. 0.0928 0.0903 0.0899 0.271	CCVs Percent Recovery 93 90 90 90 90	Analyz Percent Recovery Limits 80 - 120 80 - 120 80 - 120 80 - 120	zed By: MT Date Analyzed 2012-08-20 2012-08-20 2012-08-20 2012-08-20
QC Batch: 94092 Param Benzene Toluene Ethylbenzene Xylene Standard (CCV-3)	Flag	Cert 1 1 1	Date Ana Units mg/kg mg/kg mg/kg mg/kg	Alyzed: 201 CCVs True Conc. 0.100 0.100 0.100 0.300	12-08-20 CCVs Found Conc. 0.0928 0.0903 0.0899 0.271	CCVs Percent Recovery 93 90 90 90 90	Analyz Percent Recovery Limits 80 - 120 80 - 120 80 - 120 80 - 120	zed By: MT Date Analyzed 2012-08-2(2012-08-2(2012-08-2(2012-08-2(
QC Batch: 94092 Param Benzene Toluene Ethylbenzene Xylene Standard (CCV-3) QC Batch: 94092	Flag	Cert 1 1 1	Date Ana Units mg/kg mg/kg mg/kg mg/kg	Alyzed: 201 CCVs True Conc. 0.100 0.100 0.100 0.300	12-08-20 CCVs Found Conc. 0.0928 0.0903 0.0899 0.271	CCVs Percent Recovery 93 90 90 90	Analyz Percent Recovery Limits 80 - 120 80 - 120 80 - 120 80 - 120 80 - 120	zed By: MT Date Analyzed 2012-08-20 2012-08-20 2012-08-20 2012-08-20
QC Batch: 94092 Param Benzene Toluene Ethylbenzene Xylene Standard (CCV-3) QC Batch: 94092	Flag	Cert 1 1 1	Date Ana Units mg/kg mg/kg mg/kg mg/kg	Alyzed: 201 CCVs True Conc. 0.100 0.100 0.100 0.300 Alyzed: 201 CCVs	12-08-20 CCVs Found Conc. 0.0928 0.0903 0.0899 0.271	CCVs Percent Recovery 93 90 90 90 90	Analyz Percent Recovery Limits 80 - 120 80 - 120 80 - 120 80 - 120 80 - 120 Percent	zed By: MT Date Analyzed 2012-08-20 2012-08-20 2012-08-20 2012-08-20 2012-08-20
QC Batch: 94092 Param Benzene Toluene Ethylbenzene Xylene Standard (CCV-3) QC Batch: 94092	Flag	Cert 1 1 1	Date Ana Units mg/kg mg/kg mg/kg mg/kg	alyzed: 201 CCVs True Conc. 0.100 0.100 0.100 0.300 alyzed: 201 CCVs True	12-08-20 CCVs Found Conc. 0.0928 0.0903 0.0899 0.271 22-08-20 CCVs Found	CCVs Percent Recovery 93 90 90 90 90 90	Analyz Percent Recovery Limits 80 - 120 80 - 120 80 - 120 80 - 120 80 - 120 Percent Recovery	zed By: MT Date Analyzed 2012-08-24 2012-08-24 2012-08-24 2012-08-24 2012-08-24

the free free to the total tot				True	Found	Percent	Recovery	Date
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		1	mg/kg	0.100	0.0902	90	80 - 120	2012-08-20
Toluene		1	mg/kg	0.100	0.0865	86	80 - 120	2012-08-20
Ethylbenzene		1	mg/kg	0.100	0.0863	86	80 - 120	2012-08-20
Xylene		1	mg/kg	0.300	0.257	86	80 - 120	2012-08-20

Standard (CCV-1)

QC Batch: 94093

Date Analyzed: 2012-08-20

Analyzed By: MT

114-6401422			C	OG/Contin	Page Number: 20 c Eddy Co.,						
_				CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Dat			
Param GRO	Flag	Cert	Units mg/Kg	<u> </u>	<u>Conc.</u>	Recovery 85	Limits 80 - 120	Analy 2012_0			
	<u> </u>			1.00	0.000		00 120	2012-(
Standard (Co	CV-2)										
QC Batch: 94	093		Date	Analyzed:	2012-08-20		Analy	zed By:			
				CCVs	$\rm CCVs$	CCVs	Percent				
				True	Found	Percent	Recovery	Da			
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Anal			
<u>GRO</u>		1	mg/Kg	1.00	0.906	90	80 - 120	2012-0			
Standard (CO	CV-3)										
QC Batch: 94	093		Date	Analyzed:	2012-08-20		Analy	zed By:			
				\mathbf{CCVs}	CCVs	CCVs	Percent				
				True	Found	Percent	Recovery	Da			
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Anal			
GRU		1	Kg	1.00	0.800	80	80 - 120	2012-0			
Standard (CC	CV-1)			:		· · · · · ·		· · · · · · · · · · · ·			
QC Batch: 94	118		Date	Analyzed:	2012-08-21		Analy	zed By:			
				CCVs	CCVs	CCVs	Percent				
				True	Found	Percent	Recovery	Da			
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analy			
DRO		1	mģ/Kg	250	248	99	80 - 120	2012-0			
Standard (CC	CV-2)										
QC Batch: 94	118		Date	Analyzed:	2012-08-21		Analy	zed By:			

Report Date: 114-6401422	August 28, 20)12	CC	Work Ord OG/Contine	Page Number: 21 of 22 Eddy Co., NM							
Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed				
DRO		1	mg/Kg	250	200	80	80 - 120	2012-08-21				
Standard (IC QC Batch: 94	C V-1) 4120		Date A	Analyzed:	2012-08-22		Analy	zed By: AH				
				ICVa	ICVa	ICVa	Percent	U				
				True	Found	Percent	Becovery	Data				
Param	Flag	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed				
Chloride			mg/Kg	100	99.4	99	85 - 115	2012-08-22				
Standard (C	CV-1)											
QC Batch: 94	4120		Date A		2012-08-22		Analy	rzed By: AH				
				CCVs	CCVs	CCVs	Percent					
				True	Found	Percent	Recovery	Date				
n	Flor	Cert	Units	Conc.	Conc.	Recovery	Limits	Analyzed				
Param	riag											

ş

Report Date: August 28, 2012 114-6401422 Work Order: 12082003 COG/Continental A State TB Page Number: 22 of 22 Eddy Co., NM

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

	Certifying	Certification	Laboratory
С	Authority	Number	Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-12-8	Lubbock

Standard Flags

F Description

- B Analyte detected in the corresponding method blank above the method detection limit
- H Analyzed out of hold time
- J Estimated concentration

$\mathbf{J}\mathbf{b}$	The analyte is positively identified and the value is approximated between the SDL	
	and MQL. Sample contains less then ten times the concentration found in the	
	method blank. The result should be considered non-detect to the SDL.	
Je	Estimated concentration exceeding calibration range.	

- Qc Calibration check outside of laboratory limits.
- Qr RPD outside of laboratory limits
- Qs Spike recovery outside of laboratory limits.
- Qsr Surrogate recovery outside of laboratory limits.
- U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

	alys		le	qu	est of Cha	ain of C	ustody	R	ec	:0	rd		} -				(Circ	ANA	LYS	S RE	EQUE Meth	ST od	No.)		<u></u>	
120	8200:	2	and the second se		TETRA 1910 N. Big Midland, Tex (432) 682-4559	TECH Spring St. (as 79705 Fax (432) 682-39	946							02 (EXI. 10 U.39)	d Cr Pb Hg Se	d Vr Pd Hg Se								TDS		
	E: DG				SITE MANAGE	R: Tururez		NERS	P	RES	ERVA				s Ba C	s Ba		60/624	270/62					,Hd, Sn		
ROJECT NO).: LHO 141	22	PF	ROJEC	COG / Continente	1 A Stute	TB	CONTAL					W		s Ag A	s Ag A	Volatiles	28/0/62	i. Vol. 8	608	œ	ų,	(iv)	s/Catio		
LAB I.D. NUMBER	DATE Zuiz	TIME	MATRIX	COMP. GRAB	Eddy C SAMPI	्रिम् LE IDENTIFICATION	N	NUMBER OF	HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 PAH 8270	RCRA Metal	TCLP Metal TCLP Volatil	TCLP Semi V	RCI GC Me Vol	GC.MS Sem	PCB's 8080	Pest. 808/60 Chloride	Gamma Spe	Alpha Beta	PLM (Asbes Maior Anion		
07161	د ارع		3	X	65-1.3	AH-3 3	s' Soltan	11-			X		X							-	7					
162					(5-1 4)	AH-3 4	1														X	1				
163					C5-Z 3	A4-4	3' bilton	T													2	4				
144	*				15. Z 41	AH-4)	41														٢	<[
165	8/14				(6-3 3	AH-8	3 bolton	-					X	K												
154,					05-4 3	AH-7	3 biller						X	X							<u>></u>					
167					6-5-3	AH-5	3' botton	<u> </u>													2	(
168					CS-5 41	·····																<u>ľ</u>				
					1	: ;															ľ					
											S.												\prod			
UNQUISHED	BY: (Signatu BY: (Signatu	re) re)			Date: <u>120</u> Time: <u>120</u> Date: <u>120</u> Time: <u>120</u>	RECEIVED BY: (Signa	ature)	<u>}_</u>		Date: Time: Date: Time:	4. 	10	2	S	AMPL	ED BY	Prim	3Y; (Ci	rcie) SUS	7			Da Tin AIRBI	te:	78	99. 99. Juli
LINQUISHED	BY: (Signatu	re)			Date:	RECEIVED BY: (Signa	ature)			Date: Time:					HAND	TECH	CONT	ACT P	JPS ERSO	N:			OTHE	R: Resul	s by:	
CEIVING LAB	ORATORY:	STATE:			ZIP:		12 +14		 I:	j	D	30	>	-	I	K	e i	Turt		Z				RUSH Autho Ye	Charge rized:	es No
MALE CONDI	TION WHEN	RECEIVED	1/	29	REMARKS:		VI. ali		1	ð r	ð	ha	1,	i ti		11	18	Ĵ	~	m	2	\sim	· _	~	·	