SDG NARRATIVE

LAB NAME: Alliance Technical Group, LLC
CASE: 51847
SDG: E28N9
CONTRACT: 68HERH20D0011
LAB CODE: ACE
LAB ORDER ID: P5153
MODIFICATION REF. NUMBER: NA

Sample ID	EPA Sample ID	Test	pH
P5153-01	E28N9		
P5153-01ME	E28N9ME	VOA	
P5153-01RE	E28N9RE	VOA	
P5153-02	E28P0		
P5153-03	E28P1		
P5153-03ME	E28P1ME	VOA	
P5153-03RE	E28P1RE	VOA	
P5153-04	E28P2		
P5153-05	E28P3		
P5153-05DL	E28P3DL	SVOA	
P5153-05ME	E28P3ME	VOA	
P5153-05RE	E28P3RE	VOA	
P5153-06	E28P4		
P5153-06DL	E28P4DL	SVOA-SIM	
P5153-07	E28P5		
P5153-08	E28P6		
P5153-09	E28P7		
P5153-09ME	E28P7ME	VOA	
P5153-09RE	E28P7RE	VOA	
P5153-10	E28Q5		
P5153-11	E28P8		
P5153-12	E28P9		
P5153-12DL	E28P9DL	SVOA-SIM	
P5153-12ME	E28P9ME	VOA	
P5153-12RE	E28P9RE	VOA	
P5153-13	E28Q0		
P5153-13DL	E28Q0DL	SVOA-SIM	

P5153-13ME	E28Q0ME	VOA	
P5153-13RE	E28Q0RE	VOA	
P5153-14	E28Q1		
P5153-15	E28Q2		
P5153-15DL	E28Q2DL	SVOA-SIM	
P5153-16	E28Q3		
P5153-17	E28Q4		
P5153-17DL	E28Q4DL	SVOA-SIM	
P5153-17ME	E28Q4ME	VOA	
P5153-17RE	E28Q4RE	VOA	
P5153-18MS	E28Q4MS		
P5153-19MSD	E28Q4MSD		
P5153-20	E28R3		
P5153-20DL	E28R3DL	SVOA-SIM	
P5153-20ME	E28R3ME	VOA	
P5153-20RE	E28R3RE	VOA	
P5153-21	E28R4		
P5153-21DL	E28R4DL	SVOA-SIM	

21 Soil samples were delivered to the laboratory intact on 12/06/2024.

Test requested on the Chain of Custody was Volatile Organic, Semivolatile Organic, Semivolatile Organic-SIM and Aroclor by Method SFAM01.1.

The temperature of the samples was measured using an I R Gun. The samples temperature was 2.4, 2.0, 2.1 degree Celsius for the samples received on 12/06/2024.

Shipping Discrepancies and/or QC issues:

Issue 01: “Lab is sending this email with regards to case 51847.
Lab has received soil samples E28W5 & E28W6 for SVOA, SVOA-SIM and PEST analysis. These samples expected to have very high concentration of target analytes as having strong gasoline order. During extraction of Pescides and SVOA, sample extract was very viscous and couldn’t filter as well therefore lab would like to confirm that lab needs to use 1g sample instead of 30g sample due to sample matrix for Pest and SVOA, SVOA-SIM analysis. Lab QC is required for SVOA and SIM analysis and samples we are extracting with medium level extraction therefore Lab QC can not be performed for these samples due to high matrix interference therefore lab would like to confirm that the SEDD defects associated with medium level SVOA & SIM analysis should be invalid as well.

Resolution 01: "Per the client, the lab's proposal to proceed with smaller sample size is acceptable Confirmed that the defect is invalid."

QSS INPUT: Based on the Region's response included in the email trail, the SEDD applicable defects associated with the medium level SVOA and SVOA- SIM analysis will be removed for SDGs E28P5 and E28Q6 during the CCS screening process.

Low Volatiles:

The analysis performed on instrument MSVOA_W were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI.

The analysis of VOC-SFAM was based on method SFAM01.1_LOW.

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for ,
E28N9 [1,1,2,2-Tetrachloroethane-d2 - 161%, 1,2-Dichloroethane-d4 - 142%, 1,2-Dichloropropane-d6 - 135%, 2-Butanone-d5 - 139%],
E28N9RE [1,1-Dichloroethene-d2 - 21%, 1,2-Dichlorobenzene-d4 - 59%, 1,2-Dichloroethane-d4 - 66%, Chloroethane-d5 - 27%],
E28P0 [1,2-Dichlorobenzene-d4 - 61%],
E28P1 [1,1,2,2-Tetrachloroethane-d2 - 322%, 1,2-Dichloropropane-d6 - 266%, 2-Butanone-d5 - 229%, 2-Hexanone-d5 - 378%, Benzene-d6 - 189%],
E28P1ME [1,2-Dichlorobenzene-d4 - 75%, 1,2-Dichloroethane-d4 - 69%],
E28P1RE [1,1,2,2-Tetrachloroethane-d2 - 295%, 1,2-Dichloroethane-d4 - 138%, 1,2-Dichloropropane-d6 - 297%, 2-Butanone-d5 - 212%, 2-Hexanone-d5 - 330%, Benzene-d6 - 219%],
E28P2 [1,2-Dichlorobenzene-d4 - 72%],
E28P3 [1,2-Dichloropropane-d6 - 141%],
E28P3ME [1,2-Dichloroethane-d4 - 68%],
E28P3RE [1,2-Dichloropropane-d6 - 156%],
E28P4 [1,1,2,2-Tetrachloroethane-d2 - 0%, 1,2-Dichlorobenzene-d4 - 73%, Chloroform-d - 7%],
E28P7 [1,1,2,2-Tetrachloroethane-d2 - 176%, 1,2-Dichloropropane-d6 - 176%, 2-Hexanone-d5 - 182%],
E28P7RE [1,1,2,2-Tetrachloroethane-d2 - 167%, 1,2-Dichlorobenzene-d4 - 74%, 1,2-Dichloropropane-d6 - 180%, 2-Hexanone-d5 - 175%, Benzene-d6 - 142%],
E28Q5 [1,2-Dichlorobenzene-d4 - 64%],
E28P8 [1,2-Dichlorobenzene-d4 - 69%],
E28P9RE [1,2-Dichlorobenzene-d4 - 66%, 1,2-Dichloropropane-d6 - 129%],

E28Q0 [1,1,2,2-Tetrachloroethane-d2 - 39%, 1,1-Dichloroethene-d2 - 195%, 1,2-Dichlorobenzene-d4 - 72%, 1,2-Dichloroethane-d4 - 40%, 2-Butanone-d5 - 0%, 2-Hexanone-d5 - 0%, Benzene-d6 - 157%, Chloroethane-d5 - 165%, Vinyl Chloride-d3 - 216%],
E28Q0RE [1,2-Dichlorobenzene-d4 - 71%, 1,2-Dichloropropane-d6 - 137%],
E28Q1 [1,2-Dichlorobenzene-d4 - 72%],
E28Q3 [1,1,2,2-Tetrachloroethane-d2 - 132%],
E28Q4 [1,2-Dichloropropane-d6 - 130%],
E28Q4RE [1,1,2,2-Tetrachloroethane-d2 - 124%, 1,2-Dichlorobenzene-d4 - 71%, 1,2-Dichloropropane-d6 - 153%],
E28Q4MS [1,1-Dichloroethene-d2 - 42%, 1,2-Dichlorobenzene-d4 - 51%],
E28Q4MSD [1,1-Dichloroethene-d2 - 0%, 1,2-Dichlorobenzene-d4 - 71%, 1,2-Dichloropropane-d6 - 138%, Chloroethane-d5 - 30%],
E28R3RE [1,2-Dichlorobenzene-d4 - 72%, 1,2-Dichloropropane-d6 - 129%],
E28R4 [1 and2-Dichlorobenzene-d4 - 73%],
As per method, up to three surrogates are allowed to fail. No corrective action was taken except for Samples E28N9, E28P1, E28Q0 failed for more than three surrogates, as corrective action this sample was reanalyzed.
E28Q4MSD which is not required the corrective action for failing Surrogate recoveries in MS/MSD.
For Sample E28P7RE First analysis was Internal Standard recoveries failed, as corrective action this sample was reanalyzed, however reanalyzed was fail for Surrogate and both run are reported.

The Internal Standards Areas met the acceptable requirements except for E28N9, E28N9RE, E28P1, E28P1RE, E28P3, E28P3RE, E28P7, E28P7RE, E28P9, E28P9RE, E28Q0, E28Q0RE, E28Q4, E28Q4RE, E28R3, E28R3RE Samples which failed for Internal Standards. as corrective action sample was reanalyzed and analyzed Medium Level all analysis reported. Also E28Q4MSD due to matrix interference, no further corective action was required.

Instrument Performance Check met requirements.
The Retention Times were met for all samples.
The Tuning criteria met requirements.

The MS {E28Q4MS} recovery met the requirements for all compounds.
The MSD {E28Q4MSD} recovery met the requirements for all compounds.
The RPD {E28Q4MSD} RPD met the requirements for all compounds.

The initial Calibration met the requirements for all compounds.

The Continuing Calibration (VSTD025581) file ID VW031160.D met the requirements except for Vinyl Chloride-d3 (-31.5%). As per method, up to two target analyte in opening and closing CCV are allowed to exceed the %D values. Therefore no further corrective action was taken.

The End Continuing Calibration (VSTD025584) file ID VW031202.D met the requirements except for Methyl Acetate (66.5%). As per method, up to two target analyte in opening and closing CCV are allowed to exceed the %D values. Therefore no further corrective action was taken.

The Continuing Calibration (VSTD025585) file ID VW031204.D met the requirements except for 1,2-Dichloroethane (21.4%) and 1,2-Dichloropropane (21.3%). As per method, up to two target analyte in opening and closing CCV are allowed to exceed the %D values. Therefore no further corrective action was taken.

The Blank analysis did not indicated the presence of lab Contamination.
The Storage blank analysis did not indicated the presence of lab Contamination.

See **Manual Integration report f**or the manual integration information at the end of the case narrative.

Calculation:

Low/Med Level Soil/Sediment Calculation

$$\text{Concentration in ug/Kg dry Weight basis)} = \frac{(A_x)(I_s)(D_f)}{(Ais)(RRF)(Ws)(D)}$$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in Nano grams (ng)
RRF = Relative response factor of the calibration standard.
Df = Dilution factor
Ws= Weight of sample

$$D = \frac{100 - \%\text{moisture}}{100}$$

Medium-Level Soil/Sediment Concentration

$$\text{Concentration}(\mu g/Kg = \frac{(Ax)(Iis)(AVt)(1000)(DF)}{(Ais)(RRF)(Va)(Ws)(S)}$$

Where

Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in nanograms (ng)
S = % Solids/100

$\overline{RRF}$ = Mean Relative Response Factor from the ambient temperature purge of the initial calibration standard

AV_t = Adjusted total volume of the methanol extract plus soil water in mL determined by: $AV_t = V_t + \{W_s - [W_s(S)]$.
Where Vt = total volume of methanol extract in mL. This volume is typically 5.0 mL, even though only 0.1 mL is transferred to the vial in Section 10.2.3.6. The quantity derived from {Ws - [Ws(S)]} is the soil water volume and is expressed in mL.

Va = Volume of the aliquot of the sample methanol extract (i.e., sample extract not including the methanol added to equal 100 µL), in µL added to reagent water for purging

Ws = Weight of soil/sediment extracted, in g

DF = Dilution Factor. The DF for analysis of soil/sediment sample extracts for volatiles by the medium-level method is defined as the ratio of the volume (µL) taken from the extract used to make the dilution plus the clean solvent added for the dilution (µL), to the volume taken from the extract used to make the dilution. For example, if 10 µL of the extract was taken and added to 90 µL of clean solvent, then ration would be (10 µL + 90 µL/10 µL)= a DF of 10.

Example sample **E28P9ME** for **Methyl Acetate:**

Ax = 13612

Ais = 280455

Is = 250

S = 81.4/100 = 0.814

$\overline{RRF}$ = 0.404

AV_t = 6.21

Va = 100

Ws = 6.52

DF = 1

Avt = 5 + [6.52 (6.52 X 81.4/100)] = 6.21

$$\text{Concentration}(\mu g/Kg) = \frac{(13612)(250)(6.21)(1000)(1)}{(280455)(0.404)(100)(6.52)(0.814)}$$

Reported results = 351.429 ug/Kg

Final Reported results = 350 ug/Kg

Relative Response Factor = **Dichlorodifluoromethane**: RUN **VX120524** for **5.0** ppb

RRF= Area of compound / Area of Internal Standard X Conc. of Internal Standard / Conc. of Compound

RRF= 8793 / 234557 X 50 / 5.0

RRF= 0.375

Semivolatiles:

The samples were analyzed on instrument BNA_G using GC Column ZB-GR Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA.

The samples were analyzed on instrument BNA_P using GC Column ZB-GR Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA.

Semis volatile Organic for soil sample was extracted by Method SFAM01.1 on 12/09/2024 and 12/13/2024, The analysis of SVOC-SFAM was based on method SFAM01.1_SVOC.

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for,
E28P3 [4,6-Dinitro-2-methylphenol-d2 - 5%],
E28P3DL [4,6-Dinitro-2-methylphenol-d2 - 0%, 4-Nitrophenol-d4 - 0%],
E28Q2 [4,6-Dinitro-2-methylphenol-d2 - 4%],
E28Q3 [1,4-Dioxane-d8 - 6%],
E28Q4 [4,6-Dinitro-2-methylphenol-d2 - 0%],
E28Q4MS [4,6-Dinitro-2-methylphenol-d2 - 0%] and
E28Q4MSD [4,6-Dinitro-2-methylphenol-d2 - 0%].As per method four surrogates are allowed to fail. E28Q4 has 0% for 4,6-Dinitro-2-methylphenol-d2 but it is confirmed with MS/MSD,

Therefore no further corrective action was taken.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {E28Q4MS} recovery met the requirements for all compounds.
The MSD {E28Q4MSD} recovery met the requirements for all compounds.
The RPD {E28Q4MSD} RPD met the requirements for all compounds
The Blank Spike for {PB165481BS} recoveries met the requirements for all compounds.
The Blank Spike for {PB165644BS} recoveries met the requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The Tuning criteria met the requirements.
The Initial Calibration met the requirements.

The opening Continuous Calibration met the requirements.

The End Continuous Calibration (SSTD020567) with File ID BG063691.D met the requirement except for 4,6-Dinitro-2-methylphenol-d2 (-75.7%), Up to six target analytes and DMCs may fail to meet the maximum %D criteria listed in Exhibit D - SVOA, Table 5, for the Continuous Calibration Verification to be considered acceptable. No further corrective action was taken.

The End Continuous Calibration (SSTD020749) with File ID BP023427.D met the requirement except for Hexachlorocyclopentadiene (-52.7%), 2,4-Dinitrophenol (-66.0%), 4,6-Dinitro-2-methylphenol-d2 (-50.3%), Up to six target analytes and DMCs may fail to meet the maximum %D criteria listed in Exhibit D - SVOA, Table 5, for the Continuous Calibration Verification to be considered acceptable. No further corrective action was taken.

PB165481BL analyzed twice in different instrument, first time in BNA_P and Second time in BNA_G. However our sample associated with this BL run in BNA_P, so BNA_G instrument raw data reported as Screening Data in the package.

The Sample E28N9, E28P0, E28P7, E28Q3 and E28Q5 have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

Sample E28P3 was diluted due to high concentration.

Concentration of SOIL Sample:

Concentration ug/Kg,

$$\text{(dry weight basis)} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(RRF)\,(Vi)\,(Wt)\,(D)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vi = Volume of extract injected in microliters (uL)
Vt = Volume of concentrated extract in microliters (uL)
Wt = Weight of the original sample extracted in g
Df = Dilution factor
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

D= 100 - %moisture

100

Example calculation of E28P3 for Phenol:

Ax = 27105
Ais = 194333
Is = 20
Vi = 1
Vt = 500
Wt = 30.0
Df = 1
RRF = 1.963
GPC = 2
D= 0.901

Concentration

(dry weight basis) ug/Kg = (27105) (20) (500) (1) (2)

(194333) (1.963) (1) (30.0) (0.901)

= 53 ug/Kg

RRF Calculation of standard 20 ppb for Naphthalene with G instrument for method 12/11/2024.

RRF= Area of compound / Area of Internal Standard X Conc. of Internal Standard / Conc. of Compound

= 652991/591107 X 20/20

= 1.105 (Reported RRF)

Semivolatiles SIM:

The samples were analyzed on instrument BNA_N using GC Column ZB-GR Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA.

Semis volatile Organic sample for Soil sample was extracted by Method SFAM01.1 on 12/09/2024. The analysis of SVOC-SIM-SFAM was based on method SFAM01.1_SVOC.

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {E28Q4MS} recovery met the requirements for all compounds.
The MSD {E28Q4MSD} recovery met the requirements for all compounds.
The RPD {E28Q4MSD} RPD met the requirements for all compounds
The Blank Spike for {PB165482BS} recoveries met the requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met requirements.
The Initial Calibration met requirements.
The Continuous Calibration met requirements.

Samples E28P4, E28P9, E28Q0, E28Q2, E28Q4, E28R3 and E28R4 were diluted due to high concentrations.

Samples E28Q0DL, E28R3DL and E28R4DL were reported with compounds exceeding calibration range. This sample is not further diluted because this sample compounds results are greater than highest calibration range of SIM but less than Total SVOC CRQL.

Samples E28P1, E28Q0 and E28Q1 have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

AS per SOW Exhibit D section 10.4.1"if any single PAH analyte or PCP exceeds the calibration range, do not proceed with the SIM method for any of the target analyte scheduled for SIM analysis.", so sample E28P3 not analyzed for SIM.

See **Manual Integration report** for the manual integration information at the end of the case narrative.

Concentration of SOIL Sample:

Concentration ug/Kg,

$$\text{(dry weight basis)} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vi)\,(Wt)\,(D)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vi = Volume of extract injected in microliters (uL)
Vt = Volume of concentrated extract in microliters (uL)
Wt = Weight of the original sample extracted in g
Df = Dilution factor
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

D= $\frac{100 - \%moisture}{100}$

Example calculation of E28P4 for Naphthalene:

Ax = 2009
Ais = 8721
Is = 0.4
Vi = 1
Vt = 500
Wt = 30.1
Df = 1
RRF = 1.008
GPC = 2
D= 0.857

Concentration

(dry weight basis) ug/Kg = $\frac{(2009)\ (0.4)\ (500)\ (1)\ (2)}{(8721)\ (1.008)\ (1)\ (30.1)\ (0.857)}$

= 3.5 ug/Kg

RRF Calculation of standard 0.4 ppb for **Naphthalene** with N instrument for method 11/16/2024.

RRF = Area of compound / Area of Internal Standard X Conc. of Internal Standard / Conc. of Compound

= 6250/5912 X 0.4/0.4

= 1.057 (Reported RRF)

Aroclors:

The analyses were performed on instrument GC ECD_R. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.

The sample was analyzed on a single injection dual column system. To distinguish the second column analysis from the first column a -2 suffix was added to the file id on the form 1. These

refer to forms were both columns are reported. Form 1s for the IBLK and ALCS are referenced as IBLK(1)/IBLK(2), MS(1)/MS(2), MSD(1)/MSD(2) and ALCS01(1)/ALCS01(2) respectively.

Aroclor sample was extracted by Method SFAM01.1 on 12/09/2024 and analyzed on 12/09 and 12/13/2024 All the samples were subjected to a Sulfuric acid cleanup. The sample was extracted and analyzed within contractual holding time.

The Surrogate recoveries met the acceptable criteria except for
E28Q0 [Decachlorobiphenyl(1) – 24%, Decachlorobiphenyl(2) – 21%],
E28Q1 [Decachlorobiphenyl(2) – 28%],
E28Q3 [Decachlorobiphenyl(1) – 24%, Decachlorobiphenyl(2) – 23%],
E28Q4 [Decachlorobiphenyl(1) – 22%, Decachlorobiphenyl(2) – 22%],
The SOW allows one surrogate to fail to meet the criteria per column. ((Please See Section 11.3.6 of Exhibit D Aroclor Analysis).
.
E28Q4MS met the requirements.
E28Q4MSD met the requirements.
The RPD met the requirements.
The Laboratory Control Sample met requirements.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuing Calibrations met the requirements.
The Retention Times were acceptable for all samples.

Samples E28P2, E28P4, E28P9, E28Q0, E28Q1, E28Q2 and E28Q5 failed to meet the %D for the results between the two columns Criteria.

See Manual Integration report for the manual integration information at the end of the Case narrative.

Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax)\,(Vt)\,(DF)\,(GPC)}{(CF)\,(Vi)\,(Ws)\,(D)}$$

Where,
Ax = Response (peak area or height) of the compound to be measured.
CF = Mean Calibration Factor from the initial calibration (area/ng).
Vt = Volume of the concentrated extract in uL
Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).
Ws = Weight of sample extracted (g).
$D = \%\text{ dry weight or } \frac{100 - \%\text{Moisture}}{100}$

GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout
DF = Dilution Factor

Example of AR1260 calculation for Peak 1

Calibration factor Peak 1 100ppb ISTD= peak area
Column2 Mass injected ng

= 28412934
0.100

= 284129340 calibration factor for Peak 1 100ppb

Average of 5 peaks = 253340942

Sample **E28P2**
Ax = 3049949
CF = 253340942
Vt = 10000
Vi = 1.0
Ws = 30.1
D = 0.835
GPC = 1.0
DF = 1.0

Concentration ug/Kg (Dry weight basis) = (Ax) (Vt) (DF) (GPC)
(CF) (Vi) (Ws) (D)

= (3049949) (10000) (1.0) (1.0)
(253340942) (1.0) (30.1) (0.835)

Peak 1 = 4.79

Average of 5 peaks = 14.22

Reported results = 14 ug/kg

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Nimisha Pandya.

Date: _____ Title: Document Control Officer.