AMEC

PALOMAR STREET
(NB1016075P)

H&P PROJECT # AEE111513-11

H&P 8260SV LEVEL IV DATA PACKAGE

TPH ANALYTICAL DATA
11/14/13

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : BLK1.D
Acq On : 14 Nov 2013 8:12 am
Operator : CS
Sample : EK31402-BLK1
Misc : 0.01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 14 10:38:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1148729	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	220604	45.51 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	213043	43.65 ppb	-0.02
4) Toluene-d8	5.84	98	958790	40.32 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	220626	37.79 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	5300023m	113.04 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 2-SV-5-1PV.D
Acq On : 14 Nov 2013 8:33 am
Operator : CS
Sample : E311047-01
Misc : 0.01
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 14 10:38:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1027505	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	200226	46.18 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	234652	53.75 ppb	-0.02
4) Toluene-d8	5.84	98	888131	41.76 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	255073	48.85 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	5461827m	130.23 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 2-SV-5-3PV.D
Acq On : 14 Nov 2013 8:52 am
Operator : CS
Sample : E311047-02
Misc : 0.01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 14 10:38:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1203577	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	209036	41.16 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	215784	42.19 ppb	-0.02
4) Toluene-d8	5.84	98	1024782	41.13 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	232487	38.01 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	7798627m	158.75 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 2-SV-5-10PV.D
Acq On : 14 Nov 2013 9:18 am
Operator : CS
Sample : E311047-03
Misc : 0.01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 14 10:38:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	1154492	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	208083	42.72 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	212239	43.27 ppb	-0.02
4) Toluene-d8	5.84	98	964861	40.38 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	233846	39.86 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	8863562m	188.09 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 2-SV-15.D
Acq On : 14 Nov 2013 9:48 am
Operator : CS
Sample : E311047-04
Misc : 0.01
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 14 10:38:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	1271590	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	235002	43.80 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.51	65	248650	46.02 ppb	-0.02
4) Toluene-d8	5.84	98	1212041	46.05 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	293338	45.39 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	23945064m	461.35 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 12-SV-5.D
Acq On : 14 Nov 2013 12:09 pm
Operator : CS
Sample : E311047-05
Misc : 0.01
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 14 10:38:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1042672	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	199410	45.33 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	196496	44.35 ppb	-0.02
4) Toluene-d8	5.84	98	942247	43.66 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	228987	43.21 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	7917062m	186.03 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 13-SV-15.D
Acq On : 14 Nov 2013 12:55 pm
Operator : CS
Sample : E311047-06
Misc : 0.01
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 14 10:38:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.74	96	1191774	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	212989	42.35 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.51	65	235645	46.53 ppb	-0.02
4) Toluene-d8	5.85	98	1029734	41.74 ppb	0.00
5) 4-Bromofluorobenzene	7.88	174	247478	40.86 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	5944090m	122.19 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 13-SV-5.D
Acq On : 14 Nov 2013 1:49 pm
Operator : CS
Sample : E311047-07
Misc : 0.01
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 14 10:38:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1311134	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	217531	39.32 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.51	65	234873	42.16 ppb	-0.02
4) Toluene-d8	5.84	98	1189685	43.84 ppb	0.00
5) 4-Bromofluorobenzene	7.88	174	278910	41.86 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	24139149m	451.06 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 8-SV-15.D
Acq On : 14 Nov 2013 2:25 pm
Operator : CS
Sample : E311047-08
Misc : 0.01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 14 10:38:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1196169	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	204476	40.51 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	219407	43.17 ppb	-0.02
4) Toluene-d8	5.84	98	1053159	42.53 ppb	0.00
5) 4-Bromofluorobenzene	7.88	174	258968	42.60 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	12162035m	249.10 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 6-SV-15.D
Acq On : 14 Nov 2013 3:19 pm
Operator : CS
Sample : E311047-09
Misc : 0.01
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 14 10:38:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1127338	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	207255	43.57 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	213100	44.49 ppb	-0.02
4) Toluene-d8	5.84	98	911447	39.06 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	225771	39.41 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	3489603m	75.84 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 6-SV-15 REP.D
Acq On : 14 Nov 2013 3:37 pm
Operator : CS
Sample : E311047-10
Misc : 0.01
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 10:38:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1396676	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	251331	42.65 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	241417	40.68 ppb	-0.02
4) Toluene-d8	5.84	98	1220083	42.20 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	286010	40.29 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	4480531m	78.59 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 5-SV-15 .D
Acq On : 14 Nov 2013 4:09 pm
Operator : CS
Sample : E311047-11
Misc : 0.01
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 10:38:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	1094376	50.00 PPB	0.00
System Monitoring Compounds					
2) Dibromofluoromethane	4.27	113	206796	44.78 ppb	-0.03
3) 1,2-Dichloroethane-d4	4.50	65	205676	44.23 ppb	-0.02
4) Toluene-d8	5.84	98	963317	42.52 ppb	0.00
5) 4-Bromofluorobenzene	7.87	174	225014	40.46 ppb	0.00
Target Compounds					Qvalue
6) Gasoline (TPH)	3.38	TIC	6472945m	144.91 PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : E:\DATA\111413\
Data File : 5-SV-5.D
Acq On : 14 Nov 2013 4:32 pm
Operator : CS
Sample : E311047-12
Misc : 0.01
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 14 10:38:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\061812TPH.M
Quant Title : GC TPH Method by EPA 8260 GC/MS #3
QLast Update : Wed Mar 13 10:33:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.74	96	1025103	50.00	PPB	0.00
System Monitoring Compounds						
2) Dibromofluoromethane	4.27	113	189466	43.80	ppb	-0.03
3) 1,2-Dichloroethane-d4	4.51	65	206410	47.39	ppb	-0.01
4) Toluene-d8	5.85	98	863549	40.70	ppb	0.00
5) 4-Bromofluorobenzene	7.88	174	213590	41.00	ppb	0.00
Target Compounds						Qvalue
6) Gasoline (TPH)	3.38	TIC	4875017m	116.51	PPB	

(#) = qualifier out of range (m) = manual integration (+) = signals summed