

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010379.D
 Acq On : 19 Apr 2019 10:31
 Operator : SY/MD
 Sample : K2402-09MSD
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHH9MSD

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:53:48 AM

Quant Time: Apr 20 03:59:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 20 02:27:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	40918	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	38270	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	16185	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11196	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	10544	24.16	ug/L	0.03
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
10) 1,1-Dichloroethene-d2	2.13	63	21694	17.31	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.24%
20) 2-Butanone-d5	3.95	46	6101m	37.70	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.40%
24) Chloroform-d	4.40	84	22919	21.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.08	65	13424	21.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.56%
29) Benzene-d6	5.10	84	41348	21.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.44%
33) 1,2-Dichloropropane-d6	6.12	67	11934	20.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.28%
37) Toluene-d8	7.36	98	36299	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.12%
38) trans-1,3-Dichloropropene-	7.67	79	4195	14.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.52%
39) 2-Hexanone-d5	8.14	63	3685	28.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11094	19.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	13378	21.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.08%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.14	96	12067	22.701	ug/L 90
16) Methylene chloride	2.54	84	1822	2.788	ug/L 84
34) Benzene	5.15	78	50385	26.980	ug/L 100
35) Trichloroethene	5.96	95	14247	25.785	ug/L 93
44) Toluene	7.43	91	48607	23.087	ug/L 99
52) Chlorobenzene	8.93	112	34065	23.254	ug/L 96
53) Ethylbenzene	9.06	91	6793	2.840	ug/L 95
54) m,p-Xylene	9.18	106	60508	65.350	ug/L 97
55) o-xylene	9.59	106	34158	38.252	ug/L 98
56) Styrene	9.60	104	16595	10.883	ug/L 88
57) Isopropylbenzene	9.97	105	9909	4.164	ug/L # 95

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

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