

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009297.D
 Acq On : 13 Feb 2019 17:13
 Operator : SY/MD
 Sample : K1410-06
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 X2F76

Quant Time: Feb 15 12:55:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 15:25:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	301813	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	298793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	140428	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100441	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.76%
7) Chloroethane-d5	1.56	69	82406	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.44%
10) 1,1-Dichloroethene-d2	2.13	63	210078	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	3.93	46	71448	38.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.18%
24) Chloroform-d	4.40	84	201898	23.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.08	65	125704	24.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.60%
29) Benzene-d6	5.10	84	419034	24.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.76%
33) 1,2-Dichloropropane-d6	6.12	67	129771	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
37) Toluene-d8	7.36	98	383112	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloropropene-	7.66	79	57950	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.76%
39) 2-Hexanone-d5	8.13	63	48859	38.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	111009	21.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	132706	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	111733	20.204	ug/L	100
6) Bromomethane	1.51	94	21760	9.456	ug/L	96
9) Trichlorofluoromethane	1.76	101	114909	15.521	ug/L	97
12) 1,1-Dichloroethene	2.14	96	83824	22.421	ug/L	89
13) Acetone	2.19	43	136378	50.185	ug/L	99
15) Methyl Acetate	2.46	43	103375	28.307	ug/L	98
16) Methylene chloride	2.53	84	64607	10.435	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	356816	32.731	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	46492	10.651	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	124984	27.021	ug/L	98
23) Bromochloromethane	4.30	128	32496	15.607	ug/L	98
27) 1,2-Dichloroethane	5.18	62	64455	10.263	ug/L	99
30) Cyclohexane	4.72	56	80162	9.985	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	76908	10.482	ug/L	98
32) Carbon tetrachloride	4.87	117	80985	12.532	ug/L	100
35) Trichloroethene	5.96	95	200408	42.074	ug/L	98
36) Methylcyclohexane	6.18	83	198585	25.598	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

40) 1,2-Dichloropropane	6.22	63	61814	12.748	ug/L	100
41) Bromodichloromethane	6.55	83	127116	20.843	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	130443	18.449	ug/L	100
44) Toluene	7.43	91	420078	22.119	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	53455	8.819	ug/L	100
47) Tetrachloroethene	8.02	164	151400	40.426	ug/L	96
49) 2-Hexanone	8.18	43	115512	31.749	ug/L	98
50) Dibromochloromethane	8.29	129	84663	19.721	ug/L	97
53) Ethylbenzene	9.06	91	339637	16.058	ug/L	99
54) m,p-Xylene	9.19	106	82993	10.666	ug/L	99
55) o-xylene	9.59	106	98995	13.537	ug/L	99
57) Isopropylbenzene	9.98	105	266758	13.100	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	195163	21.319	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	93157	10.546	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	15130	14.724	ug/L	94

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

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