

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010848.D
 Acq On : 13 May 2019 19:42
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: May 13 20:42:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 13 20:37:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	132166	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	141667	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70783	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84519	41.16	ug/L	0.00
7) Chloroethane-d5	1.56	69	53043	31.39	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	154067	34.59	ug/L	0.00
20) 2-Butanone-d5	3.94	46	52850	85.78	ug/L	0.00
24) Chloroform-d	4.40	84	188694	52.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	107168	47.62	ug/L	0.00
29) Benzene-d6	5.09	84	384254	51.53	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	123045	51.79	ug/L	0.00
37) Toluene-d8	7.36	98	375640	52.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	54282	50.11	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	47517	95.57	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	111828	50.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	144601	52.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68829	37.602	ug/L 99
3) Chloromethane	1.25	50	76699	34.445	ug/L 97
5) Vinyl chloride	1.32	62	88794	34.343	ug/L 96
6) Bromomethane	1.51	94	22095	17.621	ug/L 96
8) Chloroethane	1.58	64	42215	26.217	ug/L 98
9) Trichlorofluoromethane	1.76	101	123783	31.803	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	74801	33.663	ug/L 98
12) 1,1-Dichloroethene	2.13	96	69581	33.441	ug/L 93
13) Acetone	2.19	43	42543	44.602	ug/L 99
14) Carbon disulfide	2.31	76	210195	41.109	ug/L 99
15) Methyl Acetate	2.46	43	48421	42.494	ug/L 100
16) Methylene chloride	2.53	84	92917	45.468	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	245026	47.029	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	84953	45.169	ug/L 95
19) 1,1-Dichloroethane	3.23	63	171020	47.100	ug/L 99
21) 2-Butanone	4.02	43	65853	72.846	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	107532	50.049	ug/L 96
23) Bromochloromethane	4.29	128	48334	50.046	ug/L 97
25) Chloroform	4.42	83	182948	45.737	ug/L 100
27) 1,2-Dichloroethane	5.18	62	127198	43.505	ug/L 98
30) Cyclohexane	4.72	56	128024	36.032	ug/L 99
31) 1,1,1-Trichloroethane	4.65	97	142321	40.292	ug/L 98
32) Carbon tetrachloride	4.87	117	124409	40.434	ug/L 98
34) Benzene	5.14	78	392402	47.184	ug/L 100
35) Trichloroethene	5.96	95	101700	43.657	ug/L 98
36) Methylcyclohexane	6.17	83	142737	38.231	ug/L 98
40) 1,2-Dichloropropane	6.22	63	104400	47.190	ug/L 99
41) Bromodichloromethane	6.55	83	139375	45.849	ug/L 100
42) cis-1,3-Dichloropropene	7.07	75	168412	48.128	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	155320	83.405	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	450491	47.695	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	138977	47.166	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	85651	47.127	ug/L	95
47) Tetrachloroethene	8.02	164	74488	44.153	ug/L	96
49) 2-Hexanone	8.18	43	113308	80.029	ug/L	96
50) Dibromochloromethane	8.29	129	100629	48.148	ug/L	98
51) 1,2-Dibromoethane	8.40	107	82317	46.894	ug/L	99
52) Chlorobenzene	8.93	112	302849	49.078	ug/L	100
53) Ethylbenzene	9.05	91	508149	46.398	ug/L	99
54) m,p-Xylene	9.18	106	200202	48.929	ug/L	99
55) o-xylene	9.59	106	201297	49.600	ug/L	98
56) Styrene	9.60	104	355737	51.824	ug/L	99
57) Isopropylbenzene	9.97	105	506165	46.745	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	114982	48.289	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	82755	44.531	ug/L	97
62) Bromoform	9.77	173	55343	45.916	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	241386	48.991	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	243302	48.342	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	237902	49.713	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	17382	39.144	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	171734	48.386	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	148373	54.029	ug/L	100
69) Naphthalene	13.55	128	328155	55.826	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	140253	54.446	ug/L	99

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

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