

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010413.D
 Acq On : 22 Apr 2019 14:01
 Operator : SY/MD
 Sample : VSTD05080
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Apr 22 14:22:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 22 14:00:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	501338	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	503411	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	287598	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	314011	49.33	ug/L	0.00
7) Chloroethane-d5	1.57	69	246335	46.07	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	600208	39.08	ug/L	0.00
20) 2-Butanone-d5	3.93	46	190470	96.07	ug/L	0.00
24) Chloroform-d	4.40	84	629656	47.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	383055	49.23	ug/L	0.00
29) Benzene-d6	5.10	84	1147622	44.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	340144	45.10	ug/L	0.00
37) Toluene-d8	7.36	98	1210488	48.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	182958	49.33	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	160978	95.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	373231	49.48	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	572988	50.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	372361	48.966	ug/L 100
3) Chloromethane	1.25	50	295590	44.727	ug/L 100
5) Vinyl chloride	1.32	62	354160	51.299	ug/L 100
6) Bromomethane	1.51	94	192044	43.488	ug/L 99
8) Chloroethane	1.59	64	206815	47.002	ug/L 99
9) Trichlorofluoromethane	1.76	101	621542	43.835	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	341007	45.655	ug/L 100
12) 1,1-Dichloroethene	2.14	96	304222	46.712	ug/L 94
13) Acetone	2.19	43	151545	72.431	ug/L 95
14) Carbon disulfide	2.31	76	672482	41.861	ug/L 100
15) Methyl Acetate	2.46	43	138509	40.557	ug/L 97
16) Methylene chloride	2.53	84	285656	35.673	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	763457	48.678	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	273787	44.315	ug/L 96
19) 1,1-Dichloroethane	3.23	63	497549	47.146	ug/L 98
21) 2-Butanone	4.01	43	199847	88.113	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	313083	44.485	ug/L 99
23) Bromochloromethane	4.30	128	152783	43.374	ug/L 93
25) Chloroform	4.42	83	590866	48.044	ug/L 100
27) 1,2-Dichloroethane	5.18	62	421523	47.971	ug/L 100
30) Cyclohexane	4.72	56	426934	46.274	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	544295	49.043	ug/L 99
32) Carbon tetrachloride	4.87	117	508568	48.566	ug/L 100
34) Benzene	5.15	78	1102311	44.872	ug/L 100
35) Trichloroethene	5.96	95	332968	45.813	ug/L 99
36) Methylcyclohexane	6.18	83	491334	46.426	ug/L 98
40) 1,2-Dichloropropane	6.22	63	282162	44.783	ug/L 99
41) Bromodichloromethane	6.55	83	440420	49.812	ug/L 98
42) cis-1,3-Dichloropropene	7.07	75	489901	51.554	ug/L 96
43) 4-Methyl-2-pentanone	7.27	43	447567	90.920	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1333096	48.136	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	445928	50.332	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	254355	44.810	ug/L	98
47) Tetrachloroethene	8.02	164	288159	44.434	ug/L	98
49) 2-Hexanone	8.18	43	330212	95.835	ug/L	93
50) Dibromochloromethane	8.29	129	356266	51.119	ug/L	100
51) 1,2-Dibromoethane	8.40	107	263590	46.826	ug/L	99
52) Chlorobenzene	8.93	112	936818	48.616	ug/L	98
53) Ethylbenzene	9.05	91	1606648	51.064	ug/L	99
54) m,p-Xylene	9.18	106	644301	52.900	ug/L	98
55) o-xylene	9.59	106	672895	57.286	ug/L	99
56) Styrene	9.60	104	1190149	59.337	ug/L	95
57) Isopropylbenzene	9.97	105	1848563	59.060	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	352808	48.067	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	259965	48.912	ug/L	99
62) Bromoform	9.77	173	232482	52.290	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	834131	47.557	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	847248	46.851	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	866386	51.161	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	59996	44.330	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	699070	47.921	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	546039	46.837	ug/L	100
69) Naphthalene	13.55	128	965371	44.839	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	514402	45.407	ug/L	99

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

