

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010628.D
 Acq On : 02 May 2019 13:18
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Quant Time: May 02 13:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 12:45:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182717	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95784	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185195	73.57	ug/L	0.00
7) Chloroethane-d5	1.56	69	128271	65.51	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	328193	69.83	ug/L	0.00
20) 2-Butanone-d5	3.93	46	145044	246.41	ug/L	0.00
24) Chloroform-d	4.40	84	429943	96.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	241310	88.09	ug/L	0.00
29) Benzene-d6	5.10	84	882746	103.18	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	269902	106.97	ug/L	0.00
37) Toluene-d8	7.36	98	873577	99.13	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	125716	101.17	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	115215	229.85	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	256295	104.24	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	336696	92.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	227398	81.596	ug/L 100
3) Chloromethane	1.25	50	200027	86.508	ug/L 99
5) Vinyl chloride	1.32	62	184397	67.494	ug/L 99
6) Bromomethane	1.51	94	80543	56.553	ug/L 99
8) Chloroethane	1.58	64	97593	63.537	ug/L 99
9) Trichlorofluoromethane	1.76	101	318394	68.219	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	161649	61.859	ug/L 98
12) 1,1-Dichloroethene	2.13	96	141889	61.669	ug/L 98
13) Acetone	2.19	43	85861	136.094	ug/L 99
14) Carbon disulfide	2.31	76	486139	94.545	ug/L 100
15) Methyl Acetate	2.46	43	108008	115.018	ug/L 99
16) Methylene chloride	2.53	84	205079	76.535	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	517145	94.816	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	194850	95.750	ug/L 97
19) 1,1-Dichloroethane	3.23	63	357247	98.236	ug/L 100
21) 2-Butanone	4.01	43	155807	231.719	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	227204	99.035	ug/L 97
23) Bromochloromethane	4.30	128	106087	95.849	ug/L 98
25) Chloroform	4.42	83	392035	89.721	ug/L 99
27) 1,2-Dichloroethane	5.18	62	261328	85.266	ug/L 98
30) Cyclohexane	4.72	56	297938	90.758	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	328807	83.028	ug/L 98
32) Carbon tetrachloride	4.87	117	298322	79.476	ug/L 100
34) Benzene	5.14	78	811658	99.100	ug/L 100
35) Trichloroethene	5.96	95	223826	90.115	ug/L 99
36) Methylcyclohexane	6.18	83	337170	90.868	ug/L 96
40) 1,2-Dichloropropane	6.22	63	211160	104.759	ug/L 99
41) Bromodichloromethane	6.55	83	293249	94.323	ug/L 100
42) cis-1,3-Dichloropropene	7.07	75	339604	102.027	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	333945	223.089	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	923245	93.280	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	300761	98.961	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	183963	101.759	ug/L	97
47) Tetrachloroethene	8.02	164	175651	79.673	ug/L	97
49) 2-Hexanone	8.18	43	250341	235.561	ug/L	98
50) Dibromochloromethane	8.29	129	232980	95.598	ug/L	100
51) 1,2-Dibromoethane	8.40	107	176462	93.030	ug/L	98
52) Chlorobenzene	8.93	112	625410	90.131	ug/L	99
53) Ethylbenzene	9.05	91	1047290	90.499	ug/L	100
54) m,p-Xylene	9.18	106	412281	90.881	ug/L	97
55) o-xylene	9.59	106	402443	89.059	ug/L	99
56) Styrene	9.60	104	692504	92.884	ug/L	100
57) Isopropylbenzene	9.97	105	1049378	85.956	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	238417	101.801	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	170316	98.154	ug/L	100
62) Bromoform	9.77	173	140594	98.008	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	510810	91.191	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	522368	91.093	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	501354	92.101	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	39748	110.174	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	388454	86.780	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	332139	98.361	ug/L	100
69) Naphthalene	13.55	128	731635	134.809	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	317154	101.474	ug/L	96

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

