

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV052019\
 Data File : VV010958.D
 Acq On : 20 May 2019 14:06
 Operator : SY/MD
 Sample : VSTD10069
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10069

Quant Time: May 20 14:29:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 20 13:51:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143559	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148489	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77155	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	142912	78.14	ug/L	0.00
7) Chloroethane-d5	1.56	69	93938	78.81	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	265578	76.73	ug/L	0.00
20) 2-Butanone-d5	3.94	46	119105	206.99	ug/L	0.00
24) Chloroform-d	4.40	84	352416	85.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	205220	87.09	ug/L	0.00
29) Benzene-d6	5.10	84	745576	90.71	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	236726	90.28	ug/L	0.00
37) Toluene-d8	7.36	98	716998	90.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	108911	95.21	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	107456	216.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	245125	100.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	288785	89.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	188103	118.103	ug/L 98
3) Chloromethane	1.25	50	177620	93.117	ug/L 98
5) Vinyl chloride	1.32	62	172927	84.205	ug/L 97
6) Bromomethane	1.51	94	48360	101.456	ug/L 99
8) Chloroethane	1.58	64	83054	78.195	ug/L 96
9) Trichlorofluoromethane	1.75	101	271994	92.523	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	153546	86.594	ug/L 98
12) 1,1-Dichloroethene	2.13	96	132554	80.125	ug/L 96
13) Acetone	2.19	43	90317	154.095	ug/L 96
14) Carbon disulfide	2.31	76	372938	74.841	ug/L 99
15) Methyl Acetate	2.46	43	99730	81.694	ug/L 97
16) Methylene chloride	2.53	84	214080	92.404	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	557997	103.301	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	196075	99.497	ug/L 97
19) 1,1-Dichloroethane	3.22	63	366603	96.090	ug/L 98
21) 2-Butanone	4.02	43	158103	208.976	ug/L 93
22) cis-1,2-Dichloroethene	3.96	96	232812	100.953	ug/L 96
23) Bromochloromethane	4.29	128	111084	103.406	ug/L 92
25) Chloroform	4.42	83	399877	96.620	ug/L 99
27) 1,2-Dichloroethane	5.18	62	259389	89.827	ug/L 98
30) Cyclohexane	4.72	56	300480	105.254	ug/L 98
31) 1,1,1-Trichloroethane	4.65	97	314227	97.433	ug/L 99
32) Carbon tetrachloride	4.87	117	284634	103.423	ug/L 99
34) Benzene	5.14	78	825853	95.425	ug/L 100
35) Trichloroethene	5.96	95	217344	96.894	ug/L 98
36) Methylcyclohexane	6.17	83	335161	107.373	ug/L 98
40) 1,2-Dichloropropane	6.22	63	217967	92.467	ug/L 100
41) Bromodichloromethane	6.55	83	298729	98.829	ug/L 98
42) cis-1,3-Dichloropropene	7.07	75	367298	106.803	ug/L 99
43) 4-Methyl-2-pentanone	7.27	43	343087	206.093	ug/L 99

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

44) Toluene	7.43	91	940152	97.726	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	307289	105.726	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	194443	102.423	ug/L	99
47) Tetrachloroethene	8.02	164	172965	104.356	ug/L	98
49) 2-Hexanone	8.18	43	257232	209.218	ug/L	99
50) Dibromochloromethane	8.29	129	237816	112.621	ug/L	99
51) 1,2-Dibromoethane	8.40	107	189592	106.007	ug/L #	97
52) Chlorobenzene	8.92	112	638595	97.466	ug/L	99
53) Ethylbenzene	9.05	91	1052371	99.851	ug/L	100
54) m,p-Xylene	9.18	106	417677	100.582	ug/L	97
55) o-xylene	9.59	106	406937	99.744	ug/L	98
56) Styrene	9.60	104	712366	101.829	ug/L	100
57) Isopropylbenzene	9.97	105	1052885	103.098	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	257201	102.586	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	183330	100.920	ug/L	98
62) Bromoform	9.77	173	143025	118.759	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	515281	96.660	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	523430	94.782	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	505539	95.054	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	43242	108.564	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	387918	99.850	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	339828	108.327	ug/L	100
69) Naphthalene	13.55	128	796190	121.159	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	327139	109.568	ug/L	99

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

