

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010849.D
 Acq On : 13 May 2019 20:10
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Quant Time: May 13 20:50:42 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	136763	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144941	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	74097	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	166071	78.16	ug/L	0.00
7) Chloroethane-d5	1.56	69	104686	59.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	305917	66.38	ug/L	0.00
20) 2-Butanone-d5	3.93	46	115702	181.48	ug/L	0.00
24) Chloroform-d	4.40	84	387390	103.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	221144	94.97	ug/L	0.00
29) Benzene-d6	5.09	84	788539	103.36	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	248037	102.03	ug/L	0.00
37) Toluene-d8	7.36	98	779483	106.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	120057	108.33	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	110153	216.54	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	248292	108.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	300302	104.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	141437	74.670	ug/L 99
3) Chloromethane	1.25	50	171502	74.431	ug/L 99
5) Vinyl chloride	1.32	62	174933	65.384	ug/L 95
6) Bromomethane	1.51	94	46574	35.895	ug/L 99
8) Chloroethane	1.58	64	82499	49.513	ug/L 99
9) Trichlorofluoromethane	1.75	101	246741	61.264	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	148860	64.740	ug/L 99
12) 1,1-Dichloroethene	2.13	96	141835	65.876	ug/L 93
13) Acetone	2.19	43	95437	96.693	ug/L 97
14) Carbon disulfide	2.31	76	425063	80.337	ug/L 99
15) Methyl Acetate	2.46	43	106404	90.241	ug/L 99
16) Methylene chloride	2.53	84	193898	91.694	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	530832	98.460	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	178007	91.463	ug/L 97
19) 1,1-Dichloroethane	3.22	63	351721	93.611	ug/L 99
21) 2-Butanone	4.02	43	152271	162.778	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	220046	98.975	ug/L 99
23) Bromochloromethane	4.29	128	103696	103.760	ug/L 97
25) Chloroform	4.42	83	375872	90.809	ug/L 99
27) 1,2-Dichloroethane	5.18	62	268970	88.903	ug/L 98
30) Cyclohexane	4.72	56	264235	72.689	ug/L 97
31) 1,1,1-Trichloroethane	4.65	97	291903	80.772	ug/L 98
32) Carbon tetrachloride	4.87	117	252850	80.322	ug/L 99
34) Benzene	5.14	78	807299	94.881	ug/L 100
35) Trichloroethene	5.96	95	208849	87.629	ug/L 99
36) Methylcyclohexane	6.17	83	296584	77.643	ug/L 98
40) 1,2-Dichloropropane	6.22	63	220910	97.599	ug/L 100
41) Bromodichloromethane	6.55	83	291715	93.796	ug/L 99
42) cis-1,3-Dichloropropene	7.07	75	364474	101.806	ug/L 99
43) 4-Methyl-2-pentanone	7.27	43	342679	179.858	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	937363	96.999	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	308164	102.223	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	183263	98.557	ug/L	96
47) Tetrachloroethene	8.02	164	155105	89.862	ug/L	97
49) 2-Hexanone	8.18	43	250479	172.916	ug/L	94
50) Dibromochloromethane	8.29	129	223907	104.713	ug/L	99
51) 1,2-Dibromoethane	8.40	107	181224	100.908	ug/L	97
52) Chlorobenzene	8.93	112	633478	100.339	ug/L	98
53) Ethylbenzene	9.05	91	1061998	94.779	ug/L	100
54) m,p-Xylene	9.18	106	417271	99.676	ug/L	100
55) o-xylene	9.59	106	418123	100.699	ug/L	100
56) Styrene	9.60	104	735053	104.663	ug/L	99
57) Isopropylbenzene	9.97	105	1039174	93.801	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	252024	103.451	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	178682	93.978	ug/L	98
62) Bromoform	9.77	173	131375	104.121	ug/L #	98
63) 1,3-Dichlorobenzene	11.22	146	505345	97.976	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	510164	96.831	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	495460	98.903	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	39443	84.851	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	359198	96.678	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	315725	109.826	ug/L	99
69) Naphthalene	13.55	128	743867	120.887	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	303473	112.538	ug/L	99

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

