

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080319\
 Data File : VV012102.D
 Acq On : 03 Aug 2019 10:59
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Quant Time: Aug 05 07:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM080319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 07:43:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	241800	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226688	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128094	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96790	31.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	75049	31.96	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	194628	31.12	ug/L	0.00
20) 2-Butanone-d5	3.95	46	96667	81.23	ug/L	0.00
24) Chloroform-d	4.40	84	285381	48.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	170002	44.56	ug/L	0.00
29) Benzene-d6	5.09	84	537350	44.65	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	149607	39.78	ug/L	0.00
37) Toluene-d8	7.36	98	531478	46.16	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	87641	48.76	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	77799	85.67	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	153791	44.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	227800	47.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	175047	44.811	ug/L 99
3) Chloromethane	1.25	50	103792	29.733	ug/L 96
5) Vinyl chloride	1.32	62	106039	30.333	ug/L 97
6) Bromomethane	1.53	94	68495	35.321	ug/L 98
8) Chloroethane	1.60	64	60221	29.889	ug/L 100
9) Trichlorofluoromethane	1.77	101	201937	38.559	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98216	35.197	ug/L 99
12) 1,1-Dichloroethene	2.14	96	90627	35.401	ug/L 94
13) Acetone	2.22	43	122624	87.177	ug/L 100
14) Carbon disulfide	2.31	76	379344	43.990	ug/L 99
15) Methyl Acetate	2.46	43	69687	34.478	ug/L 100
16) Methylene chloride	2.53	84	134724	37.516	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	379787	41.315	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	141666	43.337	ug/L 96
19) 1,1-Dichloroethane	3.23	63	231903	37.849	ug/L 100
21) 2-Butanone	4.03	43	132358	82.643	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	156926	43.360	ug/L 99
23) Bromochloromethane	4.29	128	78479	47.984	ug/L 96
25) Chloroform	4.42	83	268593	40.516	ug/L 100
27) 1,2-Dichloroethane	5.18	62	199629	42.474	ug/L 100
30) Cyclohexane	4.72	56	203004	35.466	ug/L 98
31) 1,1,1-Trichloroethane	4.65	97	256548	48.877	ug/L 99
32) Carbon tetrachloride	4.87	117	240416	52.710	ug/L 99
34) Benzene	5.14	78	538462	41.432	ug/L 100
35) Trichloroethene	5.96	95	155380	44.555	ug/L 97
36) Methylcyclohexane	6.17	83	244696	41.844	ug/L 99
40) 1,2-Dichloropropane	6.22	63	127362	37.910	ug/L 99
41) Bromodichloromethane	6.55	83	205966	45.549	ug/L 97
42) cis-1,3-Dichloropropene	7.07	75	236953	43.499	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	204948	66.803	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	616083	43.002	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	211372	45.330	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	117376	43.228	ug/L	97
47) Tetrachloroethene	8.02	164	147836	54.389	ug/L	96
49) 2-Hexanone	8.18	43	179340	79.511	ug/L	98
50) Dibromochloromethane	8.29	129	166389	52.191	ug/L	99
51) 1,2-Dibromoethane	8.40	107	129196	48.039	ug/L	100
52) Chlorobenzene	8.92	112	417194	44.956	ug/L	98
53) Ethylbenzene	9.05	91	712373	43.403	ug/L	99
54) m,p-Xylene	9.18	106	274075	44.358	ug/L	97
55) o-xylene	9.59	106	263423	43.590	ug/L	98
56) Styrene	9.60	104	458742	45.169	ug/L	98
57) Isopropylbenzene	9.97	105	721844	44.535	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	148169	40.425	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	116499	41.726	ug/L	99
62) Bromoform	9.77	173	121164	57.448	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	371906	45.141	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	374712	44.910	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	349147	45.008	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	34995	44.475	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	318353	50.539	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	280058	54.502	ug/L	100
69) Naphthalene	13.55	128	547170	52.819	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	263335	55.024	ug/L	99

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

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