

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062804.D
 Acq On : 20 Jun 2019 19:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 21 16:20:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	782319	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1072883	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	903523	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	520840	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.49	65	483541	56.86	ug/l	0.03
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	6.96	113	488555	54.00	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.44	98	1051301	53.39	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	13.57	95	491992	54.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	391404	38.663	ug/l	98
3) Chloromethane	1.75	50	292512	38.420	ug/l	96
4) Vinyl Chloride	1.85	62	270411	35.822	ug/l	99
5) Bromomethane	2.16	94	158884	44.944	ug/l	92
6) Chloroethane	2.27	64	150447	44.021	ug/l	98
7) Trichlorofluoromethane	2.55	101	635193	41.578	ug/l	96
8) Diethyl Ether	2.88	74	76643	39.485	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	328491	39.690	ug/l	97
10) Methyl Iodide	3.33	142	434606	39.803	ug/l	98
11) Tert butyl alcohol	4.10	59	73480	189.725	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	258063	41.565	ug/l	87
13) Acrolein	3.05	56	87974	222.502	ug/l	84
14) Allyl chloride	3.64	41	373240	40.684	ug/l	92
15) Acrylonitrile	4.23	53	184872	203.146	ug/l	95
16) Acetone	3.24	43	343966	198.007	ug/l	96
17) Carbon Disulfide	3.39	76	786512	39.637	ug/l	96
18) Methyl Acetate	3.67	43	111560	43.458	ug/l	99
19) Methyl tert-butyl Ether	4.27	73	586055	43.603	ug/l	98
20) Methylene Chloride	3.84	84	265301	40.908	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	285685	43.214	ug/l	97
22) Diisopropyl ether	5.16	45	788519	42.264	ug/l	97
23) Vinyl Acetate	5.10	43	2438986	208.917	ug/l	100
24) 1,1-Dichloroethane	5.02	63	508239	41.840	ug/l	98
25) 2-Butanone	6.11	43	336299	211.449	ug/l	93
26) 2,2-Dichloropropane	6.06	77	532459	41.355	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	290001	41.482	ug/l	91
28) Bromochloromethane	6.47	49	205083	47.937	ug/l	91
29) Tetrahydrofuran	6.50	42	157210	208.916	ug/l	98
30) Chloroform	6.69	83	652688	44.182	ug/l	99
31) Cyclohexane	6.99	56	309711	38.784	ug/l	90
32) 1,1,1-Trichloroethane	6.90	97	647281	42.067	ug/l	97
36) 1,1-Dichloropropene	7.17	75	411031	40.470	ug/l	93
37) Ethyl Acetate	6.22	43	171823	40.055	ug/l	99
38) Carbon Tetrachloride	7.14	117	721222	47.217	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	363404	40.649	ug/l	98
40) Benzene	7.49	78	879870	43.159	ug/l	97
41) Methacrylonitrile	6.49	41	220354	41.141	ug/l #	90
42) 1,2-Dichloroethane	7.61	62	486652	43.758	ug/l	100
43) Isopropyl Acetate	9.27	43	216291	40.621	ug/l #	86
44) Trichloroethene	8.57	130	334241	41.819	ug/l	99
45) 1,2-Dichloropropane	8.97	63	208650	41.159	ug/l	98
46) Dibromomethane	9.09	93	188987	43.399	ug/l	97
47) Bromodichloromethane	9.40	83	514236	45.470	ug/l	96
48) Methyl methacrylate	9.15	41	152821	40.388	ug/l	89
49) 1,4-Dioxane	9.11	88	25598	813.143	ug/l #	76
51) 4-Methyl-2-Pentanone	10.32	43	779393	206.454	ug/l	98
52) Toluene	10.54	92	604914	44.141	ug/l	98
53) t-1,3-Dichloropropene	10.94	75	425668	45.985	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	428007	42.540	ug/l	92
55) 1,1,2-Trichloroethane	11.22	97	203711	43.267	ug/l	92
56) Ethyl methacrylate	11.07	69	214593	42.649	ug/l	99
57) 1,3-Dichloropropane	11.43	76	299968	41.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	681052	263.651	ug/l	95
59) 2-Hexanone	11.56	43	608871	226.463	ug/l	100
60) Dibromochloromethane	11.71	129	393249	44.842	ug/l	96
61) 1,2-Dibromoethane	11.83	107	254768	45.816	ug/l	98
64) Tetrachloroethene	11.28	164	338323	45.497	ug/l	97
65) Chlorobenzene	12.42	112	693340	41.348	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.53	131	327546	41.769	ug/l	90
67) Ethyl Benzene	12.54	91	1219216	40.498	ug/l	95
68) m/p-Xylenes	12.69	106	925152	88.231	ug/l	99
69) o-Xylene	13.07	106	421549	43.978	ug/l	100
70) Styrene	13.09	104	764235	45.392	ug/l	95
71) Bromoform	13.25	173	246486	45.877	ug/l	94
73) Isopropylbenzene	13.42	105	1275851	38.205	ug/l	99
74) N-amyl acetate	13.28	43	329008	40.568	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	215294	39.567	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	242227	40.286	ug/l	93
77) Bromobenzene	13.68	156	367371	40.899	ug/l	82
78) n-propylbenzene	13.79	91	1478380	38.035	ug/l	96
79) 2-Chlorotoluene	13.86	91	942543	42.432	ug/l	93
80) 1,3,5-Trimethylbenzene	13.95	105	1149654	40.985	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	61234	38.858	ug/l	94
82) 4-Chlorotoluene	13.97	91	1012367	37.856	ug/l	97
83) tert-Butylbenzene	14.20	119	1292435	41.336	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	1149215	39.972	ug/l	99
85) sec-Butylbenzene	14.38	105	1379564	40.596	ug/l	96
86) p-Isopropyltoluene	14.51	119	1232569	39.647	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	651873	40.485	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	657587	40.661	ug/l	97
89) n-Butylbenzene	14.81	91	1154436	39.674	ug/l	98
90) Hexachloroethane	15.02	117	335614	40.151	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	575777	41.795	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41791	39.351	ug/l #	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	429206	39.884	µg/l	97
94) Hexachlorobutadiene	16.05	225	338195	41.137	µg/l	96
95) Naphthalene	16.13	128	616312	40.861	µg/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	355312	42.972	µg/l	91

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

