

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062098.D
 Acq On : 1 May 2019 13:04
 Operator : FY/SY
 Sample : VD0501SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBS01

Quant Time: May 02 00:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	533514	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	840881	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.34	117	841402	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	382150	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	237487	56.88	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	113.76%	
35) Dibromofluoromethane	6.89	113	332096	57.11	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	114.22%	
50) Toluene-d8	10.39	98	826707	59.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.48%	
62) 4-Bromofluorobenzene	13.54	95	325836	58.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	83226	17.470	ug/l	99
3) Chloromethane	1.74	50	79057	19.525	ug/l	97
4) Vinyl Chloride	1.84	62	72388	19.725	ug/l	96
5) Bromomethane	2.14	94	19574	17.637	ug/l	93
6) Chloroethane	2.24	64	25712	19.382	ug/l	99
7) Trichlorofluoromethane	2.51	101	112314	20.241	ug/l	95
8) Diethyl Ether	2.85	74	30030	20.193	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	106352	20.807	ug/l	99
10) Methyl Iodide	3.29	142	107425	17.725	ug/l	99
11) Tert butyl alcohol	4.03	59	26667	113.033	ug/l	99
12) 1,1-Dichloroethene	3.11	96	89157	20.502	ug/l	96
13) Acrolein	3.01	56	21792	89.025	ug/l	94
14) Allyl chloride	3.60	41	123758	20.841	ug/l	98
15) Acrylonitrile	4.16	53	72458	99.184	ug/l	89
16) Acetone	3.20	43	103613	103.924	ug/l	92
17) Carbon Disulfide	3.36	76	223788	17.808	ug/l	100
18) Methyl Acetate	3.61	43	42767	22.461	ug/l	99
19) Methyl tert-butyl Ether	4.20	73	170511	19.762	ug/l	93
20) Methylene Chloride	3.79	84	99577	18.507	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	94891	19.021	ug/l	96
22) Diisopropyl ether	5.09	45	269884	19.467	ug/l	100
23) Vinyl Acetate	5.02	43	716363	99.221	ug/l	99
24) 1,1-Dichloroethane	4.94	63	167903	20.037	ug/l	99
25) 2-Butanone	6.03	43	118116	97.714	ug/l	99
26) 2,2-Dichloropropane	5.98	77	153016	20.932	ug/l	95
27) cis-1,2-Dichloroethene	6.00	96	109897	19.364	ug/l	96
28) Bromochloromethane	6.41	49	62517	19.499	ug/l	95
29) Tetrahydrofuran	6.43	42	54948	92.256	ug/l	95
30) Chloroform	6.63	83	199694	20.981	ug/l	97
31) Cyclohexane	6.93	56	110366	17.745	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	169355	20.451	ug/l	98
36) 1,1-Dichloropropene	7.12	75	137383	20.970	ug/l	97
37) Ethyl Acetate	6.14	43	58456	20.939	ug/l	95
38) Carbon Tetrachloride	7.08	117	170473	20.535	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	121497	18.797	ug/l	95
40) Benzene	7.42	78	311768	19.222	ug/l	98
41) Methacrylonitrile	6.41	41	67314	20.665	ug/l	99
42) 1,2-Dichloroethane	7.55	62	116943	21.236	ug/l	98
43) Isopropyl Acetate	9.21	43	77381	18.970	ug/l	95
44) Trichloroethene	8.51	130	128732	20.473	ug/l	100
45) 1,2-Dichloropropane	8.91	63	76896	18.689	ug/l	98
46) Dibromomethane	9.04	93	56369	19.039	ug/l	94
47) Bromodichloromethane	9.34	83	150286	21.483	ug/l	98
48) Methyl methacrylate	9.09	41	47795	20.536	ug/l	93
49) 1,4-Dioxane	9.05	88	9585	381.993	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	255321	102.348	ug/l	96
52) Toluene	10.48	92	201104	19.446	ug/l	96
53) t-1,3-Dichloropropene	10.89	75	146753	24.992	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	159568	22.343	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	79235	22.822	ug/l	93
56) Ethyl methacrylate	11.02	69	81936	21.309	ug/l	95
57) 1,3-Dichloropropane	11.38	76	119110	22.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	226641	126.775	ug/l	96
59) 2-Hexanone	11.51	43	224026	119.714	ug/l	97
60) Dibromochloromethane	11.67	129	137023	23.852	ug/l	99
61) 1,2-Dibromoethane	11.78	107	94256	22.886	ug/l	94
64) Tetrachloroethene	11.23	164	109889	18.308	ug/l	97
65) Chlorobenzene	12.38	112	266345	16.752	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.49	131	126377	18.739	ug/l	98
67) Ethyl Benzene	12.50	91	488791	18.835	ug/l	99
68) m/p-Xylenes	12.65	106	353771	37.718	ug/l	99
69) o-Xylene	13.03	106	161773	18.851	ug/l	100
70) Styrene	13.05	104	270318	18.242	ug/l	99
71) Bromoform	13.22	173	67899	17.659	ug/l	98
73) Isopropylbenzene	13.39	105	477494	18.731	ug/l	98
74) N-amyl acetate	13.25	43	104374	15.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.68	83	92789	18.575	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	91683	18.893	ug/l	99
77) Bromobenzene	13.65	156	134667	18.415	ug/l	95
78) n-propylbenzene	13.76	91	543800	18.635	ug/l	98
79) 2-Chlorotoluene	13.82	91	336066	19.012	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	360042	17.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	27399	18.632	ug/l	97
82) 4-Chlorotoluene	13.93	91	339196	17.425	ug/l	89
83) tert-Butylbenzene	14.18	119	421749	17.911	ug/l	99
84) 1,2,4-Trimethylbenzene	14.22	105	386735	19.926	ug/l	97
85) sec-Butylbenzene	14.35	105	444085	17.454	ug/l	98
86) p-Isopropyltoluene	14.48	119	442700	19.442	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	243508	19.015	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	239424	19.992	ug/l	99
89) n-Butylbenzene	14.79	91	368052	18.004	ug/l	96
90) Hexachloroethane	14.99	117	119321	19.379	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	199108	18.848	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13163	19.531	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	106455	18.677	ug/l	97
94) Hexachlorobutadiene	16.03	225	80344	19.048	ug/l	99
95) Naphthalene	16.11	128	167985	18.254	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	64751	20.022	ug/l	97

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

