

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062113.D
 Acq On : 2 May 2019 16:03
 Operator : FY/SY
 Sample : VD0502SBSD02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

Quant Time: May 03 01:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	509395	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	830262	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	659423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	343385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	210084	52.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	6.90	113	317222	55.25	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	10.40	98	675057	49.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	13.55	95	285500	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	76574	16.835	ug/l	99
3) Chloromethane	1.74	50	68285	17.663	ug/l	96
4) Vinyl Chloride	1.83	62	62616	17.870	ug/l	97
5) Bromomethane	2.14	94	17265	16.170	ug/l	97
6) Chloroethane	2.24	64	23297	18.393	ug/l	98
7) Trichlorofluoromethane	2.51	101	112656	21.264	ug/l	96
8) Diethyl Ether	2.86	74	29398	20.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	104665	21.446	ug/l	92
10) Methyl Iodide	3.29	142	125123	20.430	ug/l	97
11) Tert butyl alcohol	4.06	59	29005	128.764	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	82066	19.765	ug/l	93
13) Acrolein	3.02	56	19915	85.209	ug/l	94
14) Allyl chloride	3.60	41	131679	23.225	ug/l	99
15) Acrylonitrile	4.18	53	81753	117.206	ug/l	98
16) Acetone	3.20	43	124404	130.686	ug/l	94
17) Carbon Disulfide	3.36	76	230550	19.215	ug/l	99
18) Methyl Acetate	3.63	43	48425	27.057	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	190321	23.102	ug/l	99
20) Methylene Chloride	3.79	84	110571	22.079	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	100801	21.162	ug/l	98
22) Diisopropyl ether	5.09	45	289690	21.885	ug/l	98
23) Vinyl Acetate	5.03	43	757029	109.818	ug/l	100
24) 1,1-Dichloroethane	4.96	63	167297	20.910	ug/l	98
25) 2-Butanone	6.05	43	127109	110.132	ug/l	97
26) 2,2-Dichloropropane	6.00	77	154911	22.194	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	112718	20.802	ug/l	98
28) Bromochloromethane	6.41	49	75845	24.776	ug/l	91
29) Tetrahydrofuran	6.44	42	68342	120.177	ug/l	96
30) Chloroform	6.65	83	186984	20.576	ug/l	97
31) Cyclohexane	6.93	56	124654	20.991	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	167409	21.173	ug/l	97
36) 1,1-Dichloropropene	7.13	75	138126	21.353	ug/l	99
37) Ethyl Acetate	6.16	43	64871	23.534	ug/l #	95
38) Carbon Tetrachloride	7.09	117	169122	20.633	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	134139	21.018	ug/l	98
40) Benzene	7.44	78	320587	20.019	ug/l	99
41) Methacrylonitrile	6.42	41	77389	24.062	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	117264	21.566	ug/l	98
43) Isopropyl Acetate	9.23	43	79468	19.731	ug/l	100
44) Trichloroethene	8.53	130	131599	21.197	ug/l	99
45) 1,2-Dichloropropane	8.92	63	86439	21.277	ug/l	95
46) Dibromomethane	9.04	93	60832	20.809	ug/l	94
47) Bromodichloromethane	9.37	83	149052	21.579	ug/l	99
48) Methyl methacrylate	9.10	41	51064	22.221	ug/l	88
49) 1,4-Dioxane	9.06	88	13331	538.078	ug/l #	88
51) 4-Methyl-2-Pentanone	10.28	43	269532	109.426	ug/l	99
52) Toluene	10.50	92	209719	20.539	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	124813	21.528	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	152362	21.607	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	72096	21.031	ug/l	92
56) Ethyl methacrylate	11.03	69	80868	21.300	ug/l	97
57) 1,3-Dichloropropane	11.39	76	112292	21.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	238282	134.991	ug/l	97
59) 2-Hexanone	11.52	43	226214	122.429	ug/l	98
60) Dibromochloromethane	11.68	129	121807	21.475	ug/l	97
61) 1,2-Dibromoethane	11.80	107	87878	21.610	ug/l	100
64) Tetrachloroethene	11.25	164	90156	19.166	ug/l	95
65) Chlorobenzene	12.39	112	268539	21.551	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	113637	21.499	ug/l	98
67) Ethyl Benzene	12.52	91	437162	21.495	ug/l	100
68) m/p-Xylenes	12.66	106	313317	42.624	ug/l	100
69) o-Xylene	13.04	106	152328	22.649	ug/l	93
70) Styrene	13.07	104	276875	23.841	ug/l	96
71) Bromoform	13.22	173	65939	21.882	ug/l #	98
73) Isopropylbenzene	13.39	105	395661	17.273	ug/l	99
74) N-amyl acetate	13.25	43	113586	19.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	85150	18.970	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	83602	19.173	ug/l	99
77) Bromobenzene	13.66	156	126306	19.222	ug/l	82
78) n-propylbenzene	13.77	91	522230	19.916	ug/l	99
79) 2-Chlorotoluene	13.84	91	298779	18.811	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	347197	19.009	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	26182	19.814	ug/l #	86
82) 4-Chlorotoluene	13.94	91	331779	18.968	ug/l	99
83) tert-Butylbenzene	14.18	119	406170	19.197	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	364976	20.928	ug/l	97
85) sec-Butylbenzene	14.36	105	378860	16.572	ug/l	98
86) p-Isopropyltoluene	14.48	119	396591	19.383	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	217483	18.900	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	207478	19.280	ug/l	95
89) n-Butylbenzene	14.79	91	347667	18.927	ug/l	95
90) Hexachloroethane	15.00	117	108035	19.527	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	172797	18.204	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12625	20.670	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	112568	21.979	ug/l	93
94) Hexachlorobutadiene	16.03	225	81106	21.399	ug/l	95
95) Naphthalene	16.12	128	164697	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	76874	26.455	ug/l	95

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

