

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062345.D
 Acq On : 14 May 2019 14:40
 Operator : FY/SY
 Sample : VD0514SBS01
 Misc : 6.99g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Quant Time: May 14 15:03:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	644692	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	863153	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	735031	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	408429	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	303472	50.65	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	6.94	113	343624	47.98	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.43	98	731849	42.38	ug/l	0.03
Spiked Amount	50.000		Recovery	=	84.76%	
62) 4-Bromofluorobenzene	13.57	95	332978	48.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	114302	18.538	ug/l	96
3) Chloromethane	1.76	50	75820	17.018	ug/l	94
4) Vinyl Chloride	1.85	62	76109	17.382	ug/l	93
5) Bromomethane	2.15	94	31516	30.718	ug/l	96
6) Chloroethane	2.26	64	40137	21.845	ug/l	99
7) Trichlorofluoromethane	2.53	101	205851	24.182	ug/l	99
8) Diethyl Ether	2.88	74	27572	16.794	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.15	101	131907	20.484	ug/l	94
10) Methyl Iodide	3.31	142	130745	13.434	ug/l #	76
11) Tert butyl alcohol	4.09	59	31248	102.178	ug/l	96
12) 1,1-Dichloroethene	3.13	96	90673	18.446	ug/l	92
13) Acrolein	3.05	56	23360	73.852	ug/l #	71
14) Allyl chloride	3.63	41	131082	18.340	ug/l #	76
15) Acrylonitrile	4.21	53	76043	94.601	ug/l #	79
16) Acetone	3.23	43	129763	103.280	ug/l #	86
17) Carbon Disulfide	3.38	76	208180	14.722	ug/l	99
18) Methyl Acetate	3.66	43	43523	19.182	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	216114	20.511	ug/l	96
20) Methylene Chloride	3.82	84	101065	19.265	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	100792	18.426	ug/l	85
22) Diisopropyl ether	5.13	45	298531	19.628	ug/l	91
23) Vinyl Acetate	5.07	43	874460	108.972	ug/l	96
24) 1,1-Dichloroethane	4.99	63	183370	19.985	ug/l	99
25) 2-Butanone	6.09	43	145955	106.501	ug/l	93
26) 2,2-Dichloropropane	6.04	77	211060	23.093	ug/l	91
27) cis-1,2-Dichloroethene	6.06	96	116319	18.998	ug/l	94
28) Bromochloromethane	6.46	49	89187	24.706	ug/l	82
29) Tetrahydrofuran	6.47	42	62616	99.163	ug/l	92
30) Chloroform	6.68	83	245063	22.162	ug/l	99
31) Cyclohexane	6.97	56	121358	19.306	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	248383	23.765	ug/l	97
36) 1,1-Dichloropropene	7.16	75	156013	22.045	ug/l	95
37) Ethyl Acetate	6.19	43	64344	21.439	ug/l #	88
38) Carbon Tetrachloride	7.12	117	239116	24.411	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	121830	17.967	ug/l	99
40) Benzene	7.47	78	308693	19.317	ug/l	99
41) Methacrylonitrile	6.46	41	82109	22.387	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	163227	24.107	ug/l	91
43) Isopropyl Acetate	9.26	43	83489	19.615	ug/l	98
44) Trichloroethene	8.56	130	118496	19.459	ug/l	83
45) 1,2-Dichloropropane	8.95	63	76045	19.238	ug/l	97
46) Dibromomethane	9.08	93	67219	20.912	ug/l	93
47) Bromodichloromethane	9.39	83	181448	23.077	ug/l	95
48) Methyl methacrylate	9.14	41	57712	22.012	ug/l #	79
49) 1,4-Dioxane	9.10	88	9629	340.390	ug/l #	78
51) 4-Methyl-2-Pentanone	10.32	43	291441	106.517	ug/l	92
52) Toluene	10.51	92	199345	19.172	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	154483	22.733	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	156895	21.164	ug/l #	89
55) 1,1,2-Trichloroethane	11.20	97	74893	20.357	ug/l	91
56) Ethyl methacrylate	11.06	69	72171	18.878	ug/l #	78
57) 1,3-Dichloropropane	11.42	76	112259	20.198	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	207413	99.324	ug/l	97
59) 2-Hexanone	11.55	43	224307	111.230	ug/l	90
60) Dibromochloromethane	11.70	129	135706	21.344	ug/l	91
61) 1,2-Dibromoethane	11.81	107	87365	19.533	ug/l	100
64) Tetrachloroethene	11.27	164	105241	18.310	ug/l	95
65) Chlorobenzene	12.41	112	280324	20.476	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	122376	20.539	ug/l	94
67) Ethyl Benzene	12.53	91	470890	20.545	ug/l	93
68) m/p-Xylenes	12.68	106	331222	39.721	ug/l	87
69) o-Xylene	13.05	106	148244	19.123	ug/l	71
70) Styrene	13.08	104	260246	19.817	ug/l	96
71) Bromoform	13.24	173	86094	20.769	ug/l	100
73) Isopropylbenzene	13.41	105	502693	20.533	ug/l	91
74) N-amyl acetate	13.27	43	124256	19.358	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	85721	18.495	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	89687	18.477	ug/l	100
77) Bromobenzene	13.67	156	132960	19.400	ug/l	83
78) n-propylbenzene	13.78	91	556709	19.062	ug/l	92
79) 2-Chlorotoluene	13.85	91	328251	19.625	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	427457	20.734	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	22947	16.746	ug/l #	67
82) 4-Chlorotoluene	13.96	91	426128	21.650	ug/l	87
83) tert-Butylbenzene	14.20	119	466978	20.152	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	408507	19.746	ug/l	88
85) sec-Butylbenzene	14.37	105	565043	22.240	ug/l	95
86) p-Isopropyltoluene	14.50	119	469399	20.679	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	230322	18.397	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	241718	19.649	ug/l	96
89) n-Butylbenzene	14.81	91	429599	21.085	ug/l	94
90) Hexachloroethane	15.01	117	127403	20.639	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	207685	20.142	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15788	20.751	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	158301	21.093	ug/l	96
94) Hexachlorobutadiene	16.05	225	118295	21.193	ug/l	96
95) Naphthalene	16.13	128	198021	18.899	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	111396	23.608	ug/l	94

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

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