

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062321.D
 Acq On : 14 May 2019 00:12
 Operator : FY/SY
 Sample : VD0513SBS02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Quant Time: May 14 05:13:44 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	538368	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	728588	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	649361	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	345949	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	317204	63.40	ug/l	0.04
Spiked Amount	50.000		Recovery	=	126.80%	
35) Dibromofluoromethane	6.93	113	346712	57.35	ug/l	0.04
Spiked Amount	50.000		Recovery	=	114.70%	
50) Toluene-d8	10.42	98	708400	48.60	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	13.57	95	340155	58.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	108709	21.113	ug/l	94
3) Chloromethane	1.76	50	71762	19.288	ug/l	99
4) Vinyl Chloride	1.86	62	75243	20.578	ug/l	96
5) Bromomethane	2.15	94	28904	33.736	ug/l	97
6) Chloroethane	2.26	64	36282	23.647	ug/l	98
7) Trichlorofluoromethane	2.53	101	199310	28.037	ug/l	93
8) Diethyl Ether	2.88	74	26542	19.360	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	124155	23.088	ug/l	92
10) Methyl Iodide	3.31	142	126810	15.603	ug/l #	86
11) Tert butyl alcohol	4.09	59	34147	133.709	ug/l #	95
12) 1,1-Dichloroethene	3.13	96	81857	19.941	ug/l #	73
13) Acrolein	3.05	56	15897	60.183	ug/l #	82
14) Allyl chloride	3.63	41	124342	20.833	ug/l #	77
15) Acrylonitrile	4.21	53	74173	110.498	ug/l #	84
16) Acetone	3.23	43	124302	118.472	ug/l #	84
17) Carbon Disulfide	3.38	76	200972	17.019	ug/l	99
18) Methyl Acetate	3.65	43	56420	29.945	ug/l #	85
19) Methyl tert-butyl Ether	4.25	73	213032	24.212	ug/l	91
20) Methylene Chloride	3.82	84	97653	22.291	ug/l #	84
21) trans-1,2-Dichloroethene	4.23	96	90298	19.768	ug/l #	82
22) Diisopropyl ether	5.14	45	269950	21.254	ug/l	93
23) Vinyl Acetate	5.07	43	825202	123.142	ug/l	97
24) 1,1-Dichloroethane	5.00	63	174329	22.752	ug/l	99
25) 2-Butanone	6.09	43	141919	124.008	ug/l	99
26) 2,2-Dichloropropane	6.04	77	191563	25.099	ug/l	89
27) cis-1,2-Dichloroethene	6.05	96	112079	21.921	ug/l	95
28) Bromochloromethane	6.45	49	80220	26.611	ug/l	90
29) Tetrahydrofuran	6.47	42	64541	122.397	ug/l	95
30) Chloroform	6.68	83	223917	24.249	ug/l	97
31) Cyclohexane	6.97	56	100650	19.174	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	234010	26.811	ug/l	97
36) 1,1-Dichloropropene	7.16	75	150114	25.129	ug/l	93
37) Ethyl Acetate	6.20	43	62454	24.652	ug/l #	85
38) Carbon Tetrachloride	7.12	117	222456	26.905	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	123040	21.497	ug/l	87
40) Benzene	7.46	78	292299	21.669	ug/l	96
41) Methacrylonitrile	6.47	41	85750	27.698	ug/l #	78
42) 1,2-Dichloroethane	7.59	62	164215	28.733	ug/l	91
43) Isopropyl Acetate	9.26	43	82913	23.077	ug/l	90
44) Trichloroethene	8.55	130	111771	21.744	ug/l	76
45) 1,2-Dichloropropane	8.95	63	76620	22.963	ug/l	98
46) Dibromomethane	9.08	93	68780	25.349	ug/l #	87
47) Bromodichloromethane	9.38	83	171132	25.785	ug/l	99
48) Methyl methacrylate	9.14	41	55770	25.200	ug/l #	87
49) 1,4-Dioxane	9.10	88	11970	501.297	ug/l #	78
51) 4-Methyl-2-Pentanone	10.31	43	303440	131.385	ug/l	89
52) Toluene	10.52	92	204954	23.352	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	147150	25.654	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	145303	23.220	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	77095	24.826	ug/l	97
56) Ethyl methacrylate	11.06	69	78052	24.187	ug/l #	92
57) 1,3-Dichloropropane	11.42	76	109151	23.266	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	232837	132.092	ug/l	97
59) 2-Hexanone	11.54	43	231624	136.072	ug/l	86
60) Dibromochloromethane	11.70	129	133301	24.838	ug/l	98
61) 1,2-Dibromoethane	11.81	107	89806	23.787	ug/l	97
64) Tetrachloroethene	11.27	164	116390	22.922	ug/l	89
65) Chlorobenzene	12.41	112	251856	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	124356	23.625	ug/l	93
67) Ethyl Benzene	12.53	91	465412	22.986	ug/l	95
68) m/p-Xylenes	12.67	106	310400	42.135	ug/l	87
69) o-Xylene	13.05	106	143021	20.883	ug/l	74
70) Styrene	13.07	104	243194	20.962	ug/l #	88
71) Bromoform	13.24	173	87709	23.950	ug/l #	99
73) Isopropylbenzene	13.41	105	467126	22.526	ug/l	95
74) N-amyl acetate	13.27	43	119966	22.065	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	88953	22.658	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	97017	23.597	ug/l	97
77) Bromobenzene	13.67	156	137359	23.662	ug/l	89
78) n-propylbenzene	13.78	91	601359	24.310	ug/l	96
79) 2-Chlorotoluene	13.84	91	338463	23.890	ug/l	84
80) 1,3,5-Trimethylbenzene	13.94	105	373113	21.367	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	23301	20.076	ug/l #	72
82) 4-Chlorotoluene	13.95	91	380052	22.796	ug/l	82
83) tert-Butylbenzene	14.20	119	456326	23.249	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	390849	22.304	ug/l	91
85) sec-Butylbenzene	14.37	105	501127	23.287	ug/l	96
86) p-Isopropyltoluene	14.49	119	422545	21.977	ug/l	89
87) 1,3-Dichlorobenzene	14.46	146	229062	21.600	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	230246	22.097	ug/l	98
89) n-Butylbenzene	14.81	91	424728	24.611	ug/l	96
90) Hexachloroethane	15.01	117	116649	22.310	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	208323	23.853	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16303	25.298	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	150476	23.672	ug/l	96
94) Hexachlorobutadiene	16.05	225	117507	24.854	ug/l	98
95) Naphthalene	16.12	128	218545	24.625	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	112151	28.060	ug/l	96

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

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