

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062434.D
 Acq On : 17 May 2019 12:48
 Operator : FY/SY
 Sample : VD0517SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Quant Time: May 17 13:21:48 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	7.05	168	621963	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	874763	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	772006	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	408833	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	285227	49.35	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	6.93	113	335443	46.22	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	10.42	98	710396	40.60	ug/l	0.02
Spiked Amount	50.000		Recovery	=	81.20%	
62) 4-Bromofluorobenzene	13.56	95	332981	47.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	99612	16.746	ug/l	98
3) Chloromethane	1.75	50	66972	15.581	ug/l	98
4) Vinyl Chloride	1.85	62	71386	16.899	ug/l	97
5) Bromomethane	2.14	94	27809	28.095	ug/l	99
6) Chloroethane	2.25	64	28114	15.861	ug/l	94
7) Trichlorofluoromethane	2.53	101	174357	21.230	ug/l	88
8) Diethyl Ether	2.86	74	24130	15.235	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	125754	20.242	ug/l	93
10) Methyl Iodide	3.31	142	120690	12.854	ug/l #	80
11) Tert butyl alcohol	4.09	59	32186	109.092	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	85948	18.123	ug/l	81
13) Acrolein	3.03	56	21530	70.554	ug/l	87
14) Allyl chloride	3.62	41	134556	19.514	ug/l #	87
15) Acrylonitrile	4.19	53	78764	101.567	ug/l	95
16) Acetone	3.23	43	146071	120.508	ug/l #	85
17) Carbon Disulfide	3.37	76	190987	14.000	ug/l #	93
18) Methyl Acetate	3.64	43	45529	20.825	ug/l #	85
19) Methyl tert-butyl Ether	4.24	73	220047	21.648	ug/l	94
20) Methylene Chloride	3.81	84	97959	19.355	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	96557	18.297	ug/l	91
22) Diisopropyl ether	5.13	45	283988	19.354	ug/l	96
23) Vinyl Acetate	5.06	43	856287	110.607	ug/l	98
24) 1,1-Dichloroethane	4.99	63	184381	20.830	ug/l	99
25) 2-Butanone	6.08	43	149869	113.354	ug/l	92
26) 2,2-Dichloropropane	6.02	77	201176	22.816	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	112331	19.017	ug/l	91
28) Bromochloromethane	6.44	49	85019	24.412	ug/l	84
29) Tetrahydrofuran	6.46	42	61826	101.490	ug/l	97
30) Chloroform	6.67	83	236787	22.196	ug/l	99
31) Cyclohexane	6.96	56	107492	17.725	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	220131	21.831	ug/l	98
36) 1,1-Dichloropropene	7.15	75	140961	19.654	ug/l	97
37) Ethyl Acetate	6.19	43	67328	22.135	ug/l #	90
38) Carbon Tetrachloride	7.11	117	215555	21.714	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	122723	17.859	ug/l	89
40) Benzene	7.46	78	303792	18.758	ug/l	100
41) Methacrylonitrile	6.45	41	81256	21.860	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	153403	22.356	ug/l	93
43) Isopropyl Acetate	9.25	43	87985	20.396	ug/l	95
44) Trichloroethene	8.55	130	116954	18.951	ug/l	80
45) 1,2-Dichloropropane	8.95	63	74455	18.586	ug/l	93
46) Dibromomethane	9.07	93	63623	19.530	ug/l #	77
47) Bromodichloromethane	9.39	83	168498	21.146	ug/l	98
48) Methyl methacrylate	9.13	41	57373	21.592	ug/l	87
49) 1,4-Dioxane	9.09	88	9680	337.651	ug/l #	77
51) 4-Methyl-2-Pentanone	10.31	43	310525	111.986	ug/l	97
52) Toluene	10.52	92	193275	18.341	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	144387	20.966	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	153374	20.414	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	78499	21.054	ug/l	95
56) Ethyl methacrylate	11.05	69	77302	19.952	ug/l #	80
57) 1,3-Dichloropropane	11.41	76	120221	21.343	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	245093	115.810	ug/l	98
59) 2-Hexanone	11.54	43	218126	106.729	ug/l	93
60) Dibromochloromethane	11.69	129	133690	20.748	ug/l	99
61) 1,2-Dibromoethane	11.82	107	86012	18.975	ug/l	91
64) Tetrachloroethene	11.27	164	104595	17.326	ug/l	94
65) Chlorobenzene	12.41	112	284843	19.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	124620	19.914	ug/l	93
67) Ethyl Benzene	12.54	91	465219	19.326	ug/l	95
68) m/p-Xylenes	12.67	106	319307	36.459	ug/l	84
69) o-Xylene	13.06	106	159775	19.623	ug/l	76
70) Styrene	13.08	104	241039	17.475	ug/l #	89
71) Bromoform	13.24	173	82037	18.843	ug/l #	96
73) Isopropylbenzene	13.41	105	476714	19.452	ug/l	97
74) N-amyl acetate	13.27	43	121965	18.982	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	89683	19.331	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	93969	19.341	ug/l	100
77) Bromobenzene	13.68	156	132930	19.377	ug/l	93
78) n-propylbenzene	13.79	91	562488	19.241	ug/l	98
79) 2-Chlorotoluene	13.84	91	337851	20.179	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	385154	18.664	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	26108	19.034	ug/l #	86
82) 4-Chlorotoluene	13.95	91	385643	19.574	ug/l	84
83) tert-Butylbenzene	14.20	119	457904	19.741	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	402432	19.433	ug/l	93
85) sec-Butylbenzene	14.38	105	516467	20.308	ug/l	98
86) p-Isopropyltoluene	14.49	119	428305	18.850	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	238636	19.042	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	216319	17.567	ug/l	99
89) n-Butylbenzene	14.81	91	402403	19.731	ug/l	97
90) Hexachloroethane	15.02	117	122977	19.902	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	211950	20.536	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15840	20.799	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	159861	21.280	ug/l	97
94) Hexachlorobutadiene	16.05	225	117128	20.963	ug/l	99
95) Naphthalene	16.13	128	223273	21.288	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	123949	26.242	ug/l	94

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

