

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062363.D
 Acq On : 15 May 2019 00:19
 Operator : FY/SY
 Sample : VD0514SBS02
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS02

Quant Time: May 15 03:30:20 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	7.07	168	631737	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	839990	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	663181	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	401347	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	319056	54.35	ug/l	0.05
Spiked Amount	50.000		Recovery	=	108.70%	
35) Dibromofluoromethane	6.94	113	333583	47.86	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.42	98	726490	43.23	ug/l	0.03
Spiked Amount	50.000		Recovery	=	86.46%	
62) 4-Bromofluorobenzene	13.56	95	327145	48.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	117993	19.529	ug/l	97
3) Chloromethane	1.75	50	74297	17.018	ug/l	97
4) Vinyl Chloride	1.86	62	76827	17.906	ug/l	94
5) Bromomethane	2.16	94	28084	27.934	ug/l #	83
6) Chloroethane	2.26	64	44267	24.587	ug/l	97
7) Trichlorofluoromethane	2.54	101	211066	25.303	ug/l	99
8) Diethyl Ether	2.88	74	26020	16.174	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.16	101	123310	19.542	ug/l	97
10) Methyl Iodide	3.32	142	119532	12.534	ug/l #	73
11) Tert butyl alcohol	4.08	59	28453	94.947	ug/l	99
12) 1,1-Dichloroethene	3.14	96	78850	16.369	ug/l #	78
13) Acrolein	3.04	56	17351	55.979	ug/l #	83
14) Allyl chloride	3.63	41	129174	18.444	ug/l #	73
15) Acrylonitrile	4.21	53	71814	91.172	ug/l	93
16) Acetone	3.24	43	130017	105.604	ug/l #	85
17) Carbon Disulfide	3.39	76	195024	14.074	ug/l	97
18) Methyl Acetate	3.65	43	52436	23.654	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	207704	20.117	ug/l #	91
20) Methylene Chloride	3.83	84	95832	18.642	ug/l	89
21) trans-1,2-Dichloroethene	4.23	96	93221	17.392	ug/l	92
22) Diisopropyl ether	5.14	45	280687	18.833	ug/l	93
23) Vinyl Acetate	5.08	43	819815	104.257	ug/l	96
24) 1,1-Dichloroethane	5.00	63	176644	19.647	ug/l	98
25) 2-Butanone	6.08	43	133601	99.486	ug/l	95
26) 2,2-Dichloropropane	6.03	77	182336	20.359	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	105496	17.584	ug/l	92
28) Bromochloromethane	6.46	49	83596	23.632	ug/l	90
29) Tetrahydrofuran	6.48	42	62835	101.550	ug/l	94
30) Chloroform	6.68	83	240627	22.207	ug/l	99
31) Cyclohexane	6.97	56	104885	17.028	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	240525	23.485	ug/l	99
36) 1,1-Dichloropropene	7.16	75	148960	21.629	ug/l	92
37) Ethyl Acetate	6.20	43	65500	22.426	ug/l	99
38) Carbon Tetrachloride	7.13	117	227877	23.906	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	131879	19.986	ug/l	97
40) Benzene	7.47	78	300847	19.345	ug/l	100
41) Methacrylonitrile	6.46	41	80696	22.609	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	166302	25.239	ug/l	94
43) Isopropyl Acetate	9.25	43	88626	21.396	ug/l	89
44) Trichloroethene	8.55	130	112782	19.031	ug/l	80
45) 1,2-Dichloropropane	8.96	63	78066	20.294	ug/l	99
46) Dibromomethane	9.07	93	68028	21.747	ug/l	95
47) Bromodichloromethane	9.39	83	171698	22.440	ug/l	100
48) Methyl methacrylate	9.13	41	62463	24.481	ug/l #	78
49) 1,4-Dioxane	9.10	88	10945	397.580	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	273157	102.587	ug/l	90
52) Toluene	10.52	92	196749	19.444	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	136095	20.580	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	147220	20.406	ug/l #	81
55) 1,1,2-Trichloroethane	11.20	97	73597	20.556	ug/l	98
56) Ethyl methacrylate	11.05	69	71446	19.204	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	113012	20.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	220641	108.572	ug/l	95
59) 2-Hexanone	11.54	43	212719	108.392	ug/l	91
60) Dibromochloromethane	11.69	129	128362	20.746	ug/l	96
61) 1,2-Dibromoethane	11.82	107	87200	20.033	ug/l	96
64) Tetrachloroethene	11.27	164	106560	20.548	ug/l	96
65) Chlorobenzene	12.41	112	254934	20.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	123329	22.942	ug/l	94
67) Ethyl Benzene	12.53	91	458209	22.158	ug/l	90
68) m/p-Xylenes	12.68	106	297786	39.581	ug/l	86
69) o-Xylene	13.06	106	141590	20.243	ug/l	82
70) Styrene	13.08	104	242585	20.473	ug/l #	93
71) Bromoform	13.25	173	84231	22.521	ug/l #	96
73) Isopropylbenzene	13.41	105	461680	19.190	ug/l	95
74) N-amyl acetate	13.28	43	115660	18.337	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	85446	18.761	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	102624	21.516	ug/l	97
77) Bromobenzene	13.68	156	121256	18.005	ug/l	98
78) n-propylbenzene	13.78	91	541907	18.883	ug/l	91
79) 2-Chlorotoluene	13.85	91	329353	20.038	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	363130	17.925	ug/l	87
81) trans-1,4-Dichloro-2-buten	13.48	75	23105	17.159	ug/l #	76
82) 4-Chlorotoluene	13.96	91	383735	19.840	ug/l	88
83) tert-Butylbenzene	14.19	119	442304	19.424	ug/l	83
84) 1,2,4-Trimethylbenzene	14.24	105	424508	20.881	ug/l	87
85) sec-Butylbenzene	14.37	105	496464	19.886	ug/l	93
86) p-Isopropyltoluene	14.50	119	415670	18.635	ug/l	91
87) 1,3-Dichlorobenzene	14.46	146	216707	17.615	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	231454	19.147	ug/l	96
89) n-Butylbenzene	14.80	91	405796	20.269	ug/l	94
90) Hexachloroethane	15.01	117	117388	19.352	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	195214	19.267	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14957	20.006	ug/l	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	144459	19.588	ug/l	97
94) Hexachlorobutadiene	16.04	225	111511	20.330	ug/l	98
95) Naphthalene	16.13	128	196761	19.111	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	105559	22.766	ug/l	95

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

