

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061225.D
 Acq On : 21 Mar 2019 00:57
 Operator : VA/AP
 Sample : VD0320SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Quant Time: Mar 22 02:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	590316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1014488	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	886910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	365204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	252219	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	6.92	113	379579	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.41	98	947108	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	13.56	95	340928	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	108427	18.543	ug/l	99
3) Chloromethane	1.76	50	92591	19.008	ug/l	99
4) Vinyl Chloride	1.86	62	84820	18.845	ug/l	100
5) Bromomethane	2.16	94	15993	17.355	ug/l #	79
6) Chloroethane	2.27	64	24389	18.103	ug/l	90
7) Trichlorofluoromethane	2.53	101	123246	19.061	ug/l	100
8) Diethyl Ether	2.87	74	46722	21.904	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	147995	20.472	ug/l	96
10) Methyl Iodide	3.31	142	165465	18.579	ug/l	100
11) Tert butyl alcohol	4.07	59	34598	110.602	ug/l	96
12) 1,1-Dichloroethene	3.13	96	117277	19.792	ug/l	92
13) Acrolein	3.04	56	24247	53.571	ug/l	97
14) Allyl chloride	3.62	41	187709	19.799	ug/l	98
15) Acrylonitrile	4.19	53	129761	117.368	ug/l	97
16) Acetone	3.22	43	121285	86.317	ug/l	97
17) Carbon Disulfide	3.38	76	337352	16.877	ug/l	99
18) Methyl Acetate	3.64	43	58671	21.217	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	249170	23.994	ug/l	92
20) Methylene Chloride	3.82	84	148726	20.458	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	136346	21.259	ug/l	96
22) Diisopropyl ether	5.12	45	410846	20.875	ug/l	97
23) Vinyl Acetate	5.05	43	1070852	105.990	ug/l	100
24) 1,1-Dichloroethane	4.98	63	224374	20.807	ug/l	99
25) 2-Butanone	6.06	43	170033	106.643	ug/l	99
26) 2,2-Dichloropropane	6.02	77	174713	20.754	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	157486	23.143	ug/l	95
28) Bromochloromethane	6.44	49	91195	19.977	ug/l	89
29) Tetrahydrofuran	6.45	42	93970	108.539	ug/l	99
30) Chloroform	6.66	83	249392	22.315	ug/l	99
31) Cyclohexane	6.95	56	166685	19.170	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	195817	20.266	ug/l	95
36) 1,1-Dichloropropene	7.14	75	170546	19.503	ug/l	98
37) Ethyl Acetate	6.17	43	84179	20.514	ug/l	98
38) Carbon Tetrachloride	7.11	117	194088	20.149	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	166268	18.336	ug/l	97
40) Benzene	7.45	78	443089	20.278	ug/l	99
41) Methacrylonitrile	6.44	41	98611	20.892	ug/l	97
42) 1,2-Dichloroethane	7.57	62	140096	22.093	ug/l	99
43) Isopropyl Acetate	9.23	43	119381	21.004	ug/l #	94
44) Trichloroethene	8.53	130	159811	21.200	ug/l	96
45) 1,2-Dichloropropane	8.94	63	119120	20.750	ug/l	97
46) Dibromomethane	9.06	93	80181	22.019	ug/l	98
47) Bromodichloromethane	9.37	83	167879	20.430	ug/l #	98
48) Methyl methacrylate	9.12	41	68175	21.304	ug/l	98
49) 1,4-Dioxane	9.08	88	15234	470.785	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	375880	107.951	ug/l	99
52) Toluene	10.50	92	284756	20.957	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	165853	22.073	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	199934	22.146	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	99568	22.004	ug/l	97
56) Ethyl methacrylate	11.04	69	101716	21.475	ug/l	97
57) 1,3-Dichloropropane	11.40	76	157912	23.352	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	255421	101.880	ug/l	99
59) 2-Hexanone	11.53	43	270558	106.225	ug/l	98
60) Dibromochloromethane	11.67	129	161317	24.224	ug/l	97
61) 1,2-Dibromoethane	11.80	107	124349	23.623	ug/l	99
64) Tetrachloroethene	11.25	164	130059	21.723	ug/l	94
65) Chlorobenzene	12.39	112	381802	21.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	151052	24.372	ug/l	98
67) Ethyl Benzene	12.52	91	583871	22.556	ug/l	99
68) m/p-Xylenes	12.66	106	424161	41.749	ug/l	94
69) o-Xylene	13.04	106	205803	20.608	ug/l	93
70) Styrene	13.06	104	352966	21.645	ug/l	98
71) Bromoform	13.23	173	83668	20.927	ug/l	94
73) Isopropylbenzene	13.40	105	510471	19.395	ug/l	98
74) N-amyl acetate	13.26	43	157440	21.244	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	110438	21.507	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	117004	22.269	ug/l	99
77) Bromobenzene	13.66	156	153667	22.872	ug/l	98
78) n-propylbenzene	13.77	91	619947	20.120	ug/l	96
79) 2-Chlorotoluene	13.83	91	388392	22.896	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	428790	21.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	33413	21.570	ug/l	93
82) 4-Chlorotoluene	13.94	91	375608	18.730	ug/l	97
83) tert-Butylbenzene	14.19	119	521140	23.833	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	428790	21.460	ug/l	100
85) sec-Butylbenzene	14.36	105	544045	20.380	ug/l	98
86) p-Isopropyltoluene	14.49	119	496637	22.760	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	239241	19.942	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	266935	22.642	ug/l	97
89) n-Butylbenzene	14.80	91	418934	19.993	ug/l	97
90) Hexachloroethane	15.00	117	136480	22.150	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	235049	23.502	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13610	21.994	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	97946	21.111	ug/l	97
94) Hexachlorobutadiene	16.04	225	71127	20.268	ug/l	98
95) Naphthalene	16.12	128	150798	21.388	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	39732	17.339	ug/l	96

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

