

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060919.D
 Acq On : 4 Mar 2019 13:13
 Operator : VA/AP
 Sample : VD0304SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:49:13 AM

Quant Time: Mar 05 02:09:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	743802	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1293208	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	1017592	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	472563	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	353965	57.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	115.14%	
35) Dibromofluoromethane	6.96	113	543264	52.40	ug/l	0.04
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.43	98	1372351	53.20	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	13.57	95	531126	54.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	175579	21.304	ug/l	100
3) Chloromethane	1.78	50	156959	22.950	ug/l	97
4) Vinyl Chloride	1.87	62	137501	22.253	ug/l	96
5) Bromomethane	2.17	94	18227	16.700	ug/l	95
6) Chloroethane	2.28	64	30757	20.661	ug/l	98
7) Trichlorofluoromethane	2.55	101	151399	20.414	ug/l	95
8) Diethyl Ether	2.90	74	67311	20.576	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.18	101	216420	21.514	ug/l	99
10) Methyl Iodide	3.33	142	252777	20.541	ug/l	98
11) Tert butyl alcohol	4.10	59	47758	104.210	ug/l	99
12) 1,1-Dichloroethene	3.15	96	188275	22.064	ug/l	94
13) Acrolein	3.06	56	64453	101.558	ug/l	100
14) Allyl chloride	3.65	41	312440	22.449	ug/l	99
15) Acrylonitrile	4.23	53	178265	101.589	ug/l	98
16) Acetone	3.24	43	209765	102.172	ug/l	100
17) Carbon Disulfide	3.40	76	610176	20.173	ug/l	100
18) Methyl Acetate	3.67	43	81109	19.294	ug/l	97
19) Methyl tert-butyl Ether	4.27	73	313690	20.900	ug/l	98
20) Methylene Chloride	3.84	84	223348	20.799	ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	202726	21.823	ug/l	98
22) Diisopropyl ether	5.15	45	615878	20.840	ug/l	96
23) Vinyl Acetate	5.09	43	1608343	103.633	ug/l	98
24) 1,1-Dichloroethane	5.02	63	329046	20.877	ug/l	99
25) 2-Butanone	6.10	43	262000	102.873	ug/l	97
26) 2,2-Dichloropropane	6.06	77	243519	20.798	ug/l	98
27) cis-1,2-Dichloroethene	6.07	96	216280	20.534	ug/l	98
28) Bromochloromethane	6.46	49	135648	20.489	ug/l	96
29) Tetrahydrofuran	6.49	42	138418	105.587	ug/l	99
30) Chloroform	6.69	83	330694	21.633	ug/l	98
31) Cyclohexane	6.98	56	301127	22.183	ug/l	97
32) 1,1,1-Trichloroethane	6.90	97	269052	20.554	ug/l	98
36) 1,1-Dichloropropene	7.17	75	261321	21.978	ug/l	98
37) Ethyl Acetate	6.22	43	117151	19.166	ug/l	98
38) Carbon Tetrachloride	7.14	117	274675	21.502	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	299213	23.021	ug/l	96
40) Benzene	7.49	78	687301	22.698	ug/l	99
41) Methacrylonitrile	6.47	41	71231m	18.654	ug/l	
42) 1,2-Dichloroethane	7.61	62	184260	21.627	ug/l	100
43) Isopropyl Acetate	9.26	43	171200	20.089	ug/l #	96
44) Trichloroethene	8.57	130	223917	21.592	ug/l	97
45) 1,2-Dichloropropane	8.96	63	176682	22.039	ug/l	99
46) Dibromomethane	9.08	93	108671	21.016	ug/l	96
47) Bromodichloromethane	9.40	83	232557	20.618	ug/l	98
48) Methyl methacrylate	9.14	41	95336	19.912	ug/l	96
49) 1,4-Dioxane	9.10	88	21506	429.056	ug/l	92
51) 4-Methyl-2-Pentanone	10.32	43	538512	103.788	ug/l	100
52) Toluene	10.53	92	431610	22.186	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	224682	21.647	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	285914	22.214	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	127790	19.863	ug/l	98
56) Ethyl methacrylate	11.06	69	154195	22.608	ug/l	94
57) 1,3-Dichloropropane	11.42	76	203893	21.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	357401	98.119	ug/l	98
59) 2-Hexanone	11.55	43	413302	113.632	ug/l	98
60) Dibromochloromethane	11.70	129	201269	21.691	ug/l	99
61) 1,2-Dibromoethane	11.82	107	153373	20.293	ug/l	98
64) Tetrachloroethene	11.28	164	166553	21.381	ug/l	98
65) Chlorobenzene	12.42	112	458770	20.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	183511	22.572	ug/l	97
67) Ethyl Benzene	12.54	91	752746	22.819	ug/l	99
68) m/p-Xylenes	12.68	106	578309	43.879	ug/l	99
69) o-Xylene	13.06	106	304894	24.627	ug/l	94
70) Styrene	13.09	104	496431	24.034	ug/l	99
71) Bromoform	13.25	173	109072	21.197	ug/l #	98
73) Isopropylbenzene	13.41	105	742621	20.339	ug/l	98
74) N-amyl acetate	13.28	43	218656	20.048	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	151148	19.961	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	147579	19.274	ug/l	98
77) Bromobenzene	13.68	156	205617	21.545	ug/l	87
78) n-propylbenzene	13.79	91	871363	20.744	ug/l	98
79) 2-Chlorotoluene	13.86	91	526026	21.927	ug/l	98
80) 1,3,5-Trimethylbenzene	14.25	105	595091	21.492	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	43475	19.185	ug/l	96
82) 4-Chlorotoluene	13.95	91	553204	21.024	ug/l	92
83) tert-Butylbenzene	14.20	119	738308	23.289	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	595091	21.492	ug/l	97
85) sec-Butylbenzene	14.38	105	771720	20.998	ug/l	97
86) p-Isopropyltoluene	14.51	119	693333	23.161	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	366137	22.582	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	373118	23.173	ug/l	96
89) n-Butylbenzene	14.81	91	643821	21.956	ug/l	98
90) Hexachloroethane	15.02	117	177366	20.545	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	307642	21.900	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	18070	20.393	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	168080	20.606	ug/l	97
94) Hexachlorobutadiene	16.05	225	108251	20.676	ug/l	98
95) Naphthalene	16.14	128	266199	20.957	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	87485	19.098	ug/l	94

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

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