

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060067.D
 Acq On : 21 Sep 2018 13:14
 Operator : VA/AP
 Sample : VD0921SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

apatel
 9/24/2018 1:02:11 PM

Quant Time: Sep 21 14:41:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1627542	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.44	114	2228354	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.27	117	1790705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	968366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	680069	53.58	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	6.31	113	928631	53.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.68%	
50) Toluene-d8	9.44	98	2652682	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
62) 4-Bromofluorobenzene	12.43	95	979268	53.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	309916	18.039	ug/l	97
3) Chloromethane	1.75	50	320208	21.100	ug/l	100
4) Vinyl Chloride	1.85	62	253916	20.814	ug/l	100
5) Bromomethane	2.13	94	22846	15.821	ug/l	92
6) Chloroethane	2.24	64	59928	21.973	ug/l	96
7) Trichlorofluoromethane	2.50	101	296725	22.092	ug/l	99
8) Diethyl Ether	2.82	74	62051	21.733	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	190807	22.529	ug/l	98
10) Methyl Iodide	3.23	142	187385	20.890	ug/l	91
11) Tert butyl alcohol	3.96	59	75217	73.445	ug/l #	93
12) 1,1-Dichloroethene	3.06	96	152831	22.822	ug/l	93
13) Acrolein	2.98	56	48994	77.252	ug/l	94
14) Allyl chloride	3.52	41	310307	21.972	ug/l	99
15) Acrylonitrile	4.07	53	361481	93.507	ug/l	98
16) Acetone	3.16	43	284170	115.966	ug/l	99
17) Carbon Disulfide	3.30	76	486728	21.095	ug/l	99
18) Methyl Acetate	3.55	43	97330	19.530	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	596327	19.272	ug/l	100
20) Methylene Chloride	3.71	84	439745	21.047	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	351305	19.991	ug/l	99
22) Diisopropyl ether	4.85	45	1301080	20.197	ug/l	98
23) Vinyl Acetate	4.79	43	3630183	99.468	ug/l	99
24) 1,1-Dichloroethane	4.74	63	583533	20.185	ug/l	99
25) 2-Butanone	5.61	43	704890	106.599	ug/l	99
26) 2,2-Dichloropropane	5.58	77	469726	20.899	ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	377733	20.549	ug/l	98
28) Bromochloromethane	5.91	49	274614	19.762	ug/l	96
29) Tetrahydrofuran	5.94	42	314013	88.548	ug/l	99
30) Chloroform	6.09	83	595259	20.304	ug/l	97
31) Cyclohexane	6.35	56	546166	19.376	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	484997	19.946	ug/l	98
36) 1,1-Dichloropropene	6.51	75	458229	20.701	ug/l	96
37) Ethyl Acetate	5.68	43	290211	19.065	ug/l	98
38) Carbon Tetrachloride	6.49	117	414642	20.067	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	511867	20.442	ug/l	99
40) Benzene	6.79	78	1188603	21.068	ug/l	99
41) Methacrylonitrile	5.92	41	140742m	17.653	ug/l	
42) 1,2-Dichloroethane	6.89	62	336401	19.858	ug/l	98
43) Isopropyl Acetate	8.34	43	357549	17.543	ug/l #	100
44) Trichloroethene	7.73	130	358920	20.591	ug/l	97
45) 1,2-Dichloropropane	8.10	63	307996	20.416	ug/l	98
46) Dibromomethane	8.20	93	192434	19.550	ug/l	98
47) Bromodichloromethane	8.48	83	419963	19.789	ug/l	95
48) Methyl methacrylate	8.23	41	210305	18.528	ug/l	100
49) 1,4-Dioxane	8.22	88	39904	353.946	ug/l	99
51) 4-Methyl-2-Pentanone	9.34	43	1497930	99.545	ug/l	99
52) Toluene	9.54	92	768554	21.253	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	392119	19.811	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	476837	20.164	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	243762	19.414	ug/l	98
56) Ethyl methacrylate	10.02	69	267522	19.209	ug/l	100
57) 1,3-Dichloropropane	10.38	76	365175	19.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	692086	102.912	ug/l	97
59) 2-Hexanone	10.49	43	1106617	102.317	ug/l	99
60) Dibromochloromethane	10.63	129	289886	18.969	ug/l	98
61) 1,2-Dibromoethane	10.75	107	251412	19.394	ug/l	99
64) Tetrachloroethene	10.24	164	328635	20.801	ug/l	94
65) Chlorobenzene	11.30	112	805903	20.933	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	285948	22.021	ug/l	99
67) Ethyl Benzene	11.42	91	1432185	23.116	ug/l	99
68) m/p-Xylenes	11.56	106	1060306	46.338	ug/l	94
69) o-Xylene	11.93	106	509824	22.486	ug/l	97
70) Styrene	11.95	104	838555	21.997	ug/l	98
71) Bromoform	12.11	173	202333	18.136	ug/l	97
73) Isopropylbenzene	12.27	105	1383024	21.777	ug/l	99
74) N-amyl acetate	12.13	43	473354	18.816	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	271976	18.877	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	280019	18.934	ug/l	97
77) Bromobenzene	12.53	156	387097	21.159	ug/l	96
78) n-propylbenzene	12.63	91	1771599	22.182	ug/l	98
79) 2-Chlorotoluene	12.70	91	947865	21.027	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1096285	22.521	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	77178	17.287	ug/l	94
82) 4-Chlorotoluene	12.81	91	1103209	22.260	ug/l	92
83) tert-Butylbenzene	13.05	119	1236742	21.930	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1139150	21.929	ug/l	97
85) sec-Butylbenzene	13.21	105	1453592	21.714	ug/l	99
86) p-Isopropyltoluene	13.34	119	1179715	21.789	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	682437	21.451	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	687996	21.321	ug/l	98
89) n-Butylbenzene	13.65	91	1225083	21.008	ug/l	99
90) Hexachloroethane	13.85	117	271080	20.214	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	601879	20.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	36251	16.505	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	477998	21.084	ug/l	99
94) Hexachlorobutadiene	14.88	225	313469	20.902	ug/l	98
95) Naphthalene	14.96	128	667434	19.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	402102	20.126	ug/l	99

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

