

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060060.D
 Acq On : 20 Sep 2018 20:57
 Operator : VA/AP
 Sample : J5017-08MS
 Misc : 5.06/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MS

Manual Integrations
 APPROVED

apatel
 9/21/2018 12:57:42 PM

Quant Time: Sep 21 01:50:39 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	1144471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1641827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1140746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	390270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	467663	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	6.30	113	692604	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	9.44	98	1690219	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.42	95	517863	38.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	610962	50.573	ug/l	100
3) Chloromethane	1.74	50	603861	56.587	ug/l	99
4) Vinyl Chloride	1.83	62	492508	57.411	ug/l	100
5) Bromomethane	2.14	94	137591	135.501	ug/l	97
6) Chloroethane	2.24	64	185390	96.664	ug/l	93
7) Trichlorofluoromethane	2.49	101	543471	57.543	ug/l	100
8) Diethyl Ether	2.81	74	108836	54.209	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	281141	47.206	ug/l	96
10) Methyl Iodide	3.22	142	440255	69.796	ug/l	93
11) Tert butyl alcohol	3.94	59	134436	186.676	ug/l	98
12) 1,1-Dichloroethene	3.05	96	294668	62.576	ug/l	95
13) Acrolein	2.96	56	49896	111.882	ug/l	96
14) Allyl chloride	3.52	41	596031	60.017	ug/l	96
15) Acrylonitrile	4.06	53	598287	220.089	ug/l	97
16) Acetone	3.13	43	407518	236.497	ug/l	99
17) Carbon Disulfide	3.29	76	923527	56.920	ug/l	100
18) Methyl Acetate	3.54	43	259567	74.069	ug/l	95
19) Methyl tert-butyl Ether	4.10	73	1084120	49.826	ug/l	99
20) Methylene Chloride	3.69	84	753766	63.411	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	717401	58.054	ug/l	98
22) Diisopropyl ether	4.82	45	2568185	56.693	ug/l	96
23) Vinyl Acetate	4.78	43	5138286	200.218	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1204841	59.268	ug/l	99
25) 2-Butanone	5.59	43	912918	196.332	ug/l	99
26) 2,2-Dichloropropane	5.56	77	836116	52.903	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	763534	59.069	ug/l	96
28) Bromochloromethane	5.91	49	536703	54.924	ug/l	98
29) Tetrahydrofuran	5.93	42	508807	204.039	ug/l	99
30) Chloroform	6.08	83	1204551	58.429	ug/l	99
31) Cyclohexane	6.35	56	629682	31.768	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	884413	51.725	ug/l	99
36) 1,1-Dichloropropene	6.50	75	770261	47.229	ug/l	99
37) Ethyl Acetate	5.67	43	413869	36.902	ug/l #	95
38) Carbon Tetrachloride	6.48	117	672553	44.176	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	390680	21.176	ug/l	98
40) Benzene	6.77	78	2258210	54.326	ug/l	100
41) Methacrylonitrile	5.90	41	236599m	40.278	ug/l	
42) 1,2-Dichloroethane	6.87	62	608266	48.735	ug/l	97
43) Isopropyl Acetate	8.33	43	541732	36.076	ug/l #	97
44) Trichloroethene	7.72	130	641776	49.971	ug/l	98
45) 1,2-Dichloropropane	8.08	63	585621	52.687	ug/l	100
46) Dibromomethane	8.20	93	346208	47.738	ug/l	92
47) Bromodichloromethane	8.48	83	788035	50.399	ug/l	99
48) Methyl methacrylate	8.23	41	374735	44.808	ug/l	96
49) 1,4-Dioxane	8.21	88	67278	809.936	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	1831780	177.078	ug/l	98
52) Toluene	9.53	92	1256359	47.153	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	670563	45.982	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	850219	48.796	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	400750	43.320	ug/l	99
56) Ethyl methacrylate	10.02	69	423746	41.297	ug/l	95
57) 1,3-Dichloropropane	10.37	76	648988	47.526	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1164582	235.036	ug/l	99
59) 2-Hexanone	10.47	43	1331699	180.255	ug/l	99
60) Dibromochloromethane	10.63	129	509866	45.282	ug/l	98
61) 1,2-Dibromoethane	10.75	107	419532	43.924	ug/l	99
64) Tetrachloroethene	10.24	164	429669	42.690	ug/l	97
65) Chlorobenzene	11.30	112	1292224	52.689	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	460544	55.675	ug/l	98
67) Ethyl Benzene	11.42	91	1931002	48.925	ug/l	98
68) m/p-Xylenes	11.56	106	1380943	94.737	ug/l	95
69) o-Xylene	11.93	106	686791	47.551	ug/l	96
70) Styrene	11.95	104	1181935	48.669	ug/l	98
71) Bromoform	12.11	173	325707	45.829	ug/l	99
73) Isopropylbenzene	12.26	105	1517488	59.287	ug/l	97
74) N-amyl acetate	12.13	43	638650	62.991	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	440198	75.811	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	406257	68.158	ug/l	98
77) Bromobenzene	12.53	156	520538	70.601	ug/l	91
78) n-propylbenzene	12.63	91	1654986	51.418	ug/l	97
79) 2-Chlorotoluene	12.70	91	1049276	57.757	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1011673	51.568	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	116678	64.848	ug/l	93
82) 4-Chlorotoluene	12.81	91	1187823	59.470	ug/l	93
83) tert-Butylbenzene	13.04	119	1088316	47.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1058428	50.557	ug/l	97
85) sec-Butylbenzene	13.22	105	1013298	37.558	ug/l	96
86) p-Isopropyltoluene	13.34	119	818963	37.532	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	681493	53.152	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	678888	52.203	ug/l	97
89) n-Butylbenzene	13.64	91	713636	32.394	ug/l	98
90) Hexachloroethane	13.85	117	176838	32.720	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	583581	57.903	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	44828	50.642	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	177412	19.417	ug/l	95
94) Hexachlorobutadiene	14.87	225	66252	10.962	ug/l	96
95) Naphthalene	14.96	128	447694	31.728	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	156076	19.384	ug/l #	78

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

