

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060619.D
 Acq On : 18 Dec 2018 14:17
 Operator : VA/AP
 Sample : VD1218SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:12:09 PM

Quant Time: Dec 19 02:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1437445	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	1948150	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1584981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	815323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	549923	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	6.33	113	776513	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
50) Toluene-d8	9.46	98	2202400	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.42	95	791592	53.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	368018	23.406	ug/l	97
3) Chloromethane	1.77	50	323284	21.889	ug/l	96
4) Vinyl Chloride	1.86	62	266160	22.581	ug/l	97
5) Bromomethane	2.15	94	39628	13.439	ug/l	89
6) Chloroethane	2.26	64	66736	16.409	ug/l	97
7) Trichlorofluoromethane	2.52	101	287120	21.096	ug/l	98
8) Diethyl Ether	2.83	74	53579	22.792	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	194674	22.045	ug/l	99
10) Methyl Iodide	3.26	142	209985	20.343	ug/l	99
11) Tert butyl alcohol	3.98	59	40791	98.545	ug/l	97
12) 1,1-Dichloroethene	3.08	96	159400	22.186	ug/l	94
13) Acrolein	2.99	56	40047	88.542	ug/l	89
14) Allyl chloride	3.54	41	285003	20.907	ug/l	96
15) Acrylonitrile	4.09	53	278025	118.292	ug/l	92
16) Acetone	3.17	43	183990	112.660	ug/l	100
17) Carbon Disulfide	3.33	76	481416	20.628	ug/l	98
18) Methyl Acetate	3.56	43	85688	22.077	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	454815	22.827	ug/l	99
20) Methylene Chloride	3.73	84	342178	20.148	ug/l	94
21) trans-1,2-Dichloroethene	4.10	96	328357	21.010	ug/l	99
22) Diisopropyl ether	4.86	45	1053361	21.522	ug/l	96
23) Vinyl Acetate	4.80	43	2680788	110.551	ug/l	99
24) 1,1-Dichloroethane	4.76	63	531544	20.905	ug/l	99
25) 2-Butanone	5.62	43	371136	115.509	ug/l	96
26) 2,2-Dichloropropane	5.59	77	427797	21.780	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	344603	21.686	ug/l	100
28) Bromochloromethane	5.92	49	233980	20.773	ug/l	88
29) Tetrahydrofuran	5.95	42	211979	116.505	ug/l	99
30) Chloroform	6.10	83	548568	21.415	ug/l	99
31) Cyclohexane	6.37	56	502551	20.883	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	436584	20.732	ug/l	98
36) 1,1-Dichloropropene	6.52	75	423765	22.253	ug/l	98
37) Ethyl Acetate	5.70	43	194596	23.563	ug/l	99
38) Carbon Tetrachloride	6.50	117	372170	21.770	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	474645	21.865	ug/l	100
40) Benzene	6.79	78	1073683	22.062	ug/l	100
41) Methacrylonitrile	5.92	41	104273m	23.422	ug/l	
42) 1,2-Dichloroethane	6.90	62	273931	22.138	ug/l	98
43) Isopropyl Acetate	8.34	43	237745	23.321	ug/l #	98
44) Trichloroethene	7.74	130	324390	22.303	ug/l	91
45) 1,2-Dichloropropane	8.10	63	273743	22.742	ug/l	100
46) Dibromomethane	8.22	93	157359	22.627	ug/l	97
47) Bromodichloromethane	8.49	83	373695	22.647	ug/l	98
48) Methyl methacrylate	8.25	41	140054	23.218	ug/l	98
49) 1,4-Dioxane	8.23	88	25509	466.594	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	746519	117.720	ug/l	99
52) Toluene	9.55	92	681143	22.392	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	317593	23.423	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	398717	22.382	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	189247	22.341	ug/l	96
56) Ethyl methacrylate	10.03	69	177109	23.102	ug/l	97
57) 1,3-Dichloropropane	10.38	76	298244	22.776	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	556637	121.347	ug/l	99
59) 2-Hexanone	10.49	43	531449	119.897	ug/l	99
60) Dibromochloromethane	10.64	129	248382	23.452	ug/l	97
61) 1,2-Dibromoethane	10.76	107	197494	22.877	ug/l	93
64) Tetrachloroethene	10.25	164	295817	21.077	ug/l	99
65) Chlorobenzene	11.31	112	736280	21.958	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	248614	23.004	ug/l	96
67) Ethyl Benzene	11.43	91	1234477	21.584	ug/l	97
68) m/p-Xylenes	11.56	106	940724	44.459	ug/l	96
69) o-Xylene	11.94	106	443169	21.977	ug/l	96
70) Styrene	11.96	104	729574	22.541	ug/l	98
71) Bromoform	12.11	173	166194	23.049	ug/l	99
73) Isopropylbenzene	12.27	105	1248477	21.639	ug/l	100
74) N-amyl acetate	12.13	43	315860	22.652	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	209481	22.680	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	210016	22.734	ug/l	99
77) Bromobenzene	12.54	156	332305	21.912	ug/l	97
78) n-propylbenzene	12.64	91	1576323	21.614	ug/l	100
79) 2-Chlorotoluene	12.70	91	868619	21.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	975427	22.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	57036	22.137	ug/l	97
82) 4-Chlorotoluene	12.80	91	973849	21.909	ug/l	87
83) tert-Butylbenzene	13.05	119	1081656	21.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	998441	21.872	ug/l	99
85) sec-Butylbenzene	13.22	105	1339628	21.744	ug/l	99
86) p-Isopropyltoluene	13.34	119	1088304	22.284	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	601309	21.899	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	583534	21.663	ug/l	99
89) n-Butylbenzene	13.65	91	1126962	20.783	ug/l	99
90) Hexachloroethane	13.86	117	263168	21.492	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	516656	23.024	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25711	22.973	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	397573	22.664	ug/l	97
94) Hexachlorobutadiene	14.88	225	276361	21.353	ug/l	99
95) Naphthalene	14.97	128	476717	22.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	319242	22.840	ug/l	97

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

