

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060662.D
 Acq On : 20 Dec 2018 17:01
 Operator : VA/AP
 Sample : VD1220SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:51:57 AM

Quant Time: Dec 21 05:53:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1512215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2094716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1667545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	874381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	558618	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
35) Dibromofluoromethane	6.32	113	800035	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	9.45	98	2378476	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.42	95	843178	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	354963	18.371	ug/l	99
3) Chloromethane	1.77	50	350617	19.717	ug/l	99
4) Vinyl Chloride	1.86	62	265961	18.838	ug/l	100
5) Bromomethane	2.16	94	37480	11.851	ug/l	98
6) Chloroethane	2.27	64	69064	16.392	ug/l	92
7) Trichlorofluoromethane	2.51	101	297584	18.950	ug/l	98
8) Diethyl Ether	2.84	74	51035	19.425	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.10	101	197749	19.413	ug/l	97
10) Methyl Iodide	3.26	142	187220	17.488	ug/l	96
11) Tert butyl alcohol	3.98	59	37568	86.017	ug/l #	95
12) 1,1-Dichloroethene	3.08	96	159364	19.041	ug/l	93
13) Acrolein	2.99	56	49597	111.437	ug/l	90
14) Allyl chloride	3.55	41	285462	18.587	ug/l	100
15) Acrylonitrile	4.10	53	252339	99.518	ug/l	98
16) Acetone	3.17	43	179303	98.247	ug/l	100
17) Carbon Disulfide	3.32	76	494144	18.487	ug/l	99
18) Methyl Acetate	3.56	43	83116	18.376	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	424755	20.003	ug/l	99
20) Methylene Chloride	3.73	84	376899	19.886	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	332818	19.417	ug/l	98
22) Diisopropyl ether	4.86	45	1038856	19.923	ug/l	99
23) Vinyl Acetate	4.80	43	2578711	102.218	ug/l	98
24) 1,1-Dichloroethane	4.77	63	535678	19.531	ug/l	99
25) 2-Butanone	5.62	43	347617	99.537	ug/l	98
26) 2,2-Dichloropropane	5.59	77	417044	19.263	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	340123	19.547	ug/l	98
28) Bromochloromethane	5.93	49	219968	18.984	ug/l	99
29) Tetrahydrofuran	5.96	42	194051	98.015	ug/l	99
30) Chloroform	6.10	83	538992	19.530	ug/l	100
31) Cyclohexane	6.37	56	521772	19.768	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	451750	19.785	ug/l	99
36) 1,1-Dichloropropene	6.53	75	426884	19.791	ug/l	97
37) Ethyl Acetate	5.70	43	182291	20.207	ug/l	99
38) Carbon Tetrachloride	6.50	117	376079	19.763	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	480857	19.547	ug/l	99
40) Benzene	6.79	78	1085530	19.483	ug/l	99
41) Methacrylonitrile	5.93	41	76625m	15.356	ug/l	
42) 1,2-Dichloroethane	6.89	62	270482	19.563	ug/l	97
43) Isopropyl Acetate	8.35	43	223821	19.334	ug/l #	98
44) Trichloroethene	7.74	130	320771	19.452	ug/l	97
45) 1,2-Dichloropropane	8.10	63	265670	19.443	ug/l	99
46) Dibromomethane	8.22	93	153183	19.643	ug/l	95
47) Bromodichloromethane	8.50	83	360399	19.512	ug/l	100
48) Methyl methacrylate	8.25	41	145712	20.724	ug/l	97
49) 1,4-Dioxane	8.23	88	27192	415.937	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	709775	100.072	ug/l	99
52) Toluene	9.55	92	677979	19.411	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	292784	19.000	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	388484	19.261	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	185239	19.711	ug/l	98
56) Ethyl methacrylate	10.03	69	169325	19.398	ug/l	95
57) 1,3-Dichloropropane	10.38	76	289777	19.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	557947	108.481	ug/l	96
59) 2-Hexanone	10.48	43	504793	101.679	ug/l	97
60) Dibromochloromethane	10.64	129	235580	19.680	ug/l	97
61) 1,2-Dibromoethane	10.76	107	190129	19.505	ug/l	100
64) Tetrachloroethene	10.25	164	296541	19.620	ug/l	97
65) Chlorobenzene	11.31	112	731366	19.851	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	240378	20.292	ug/l	100
67) Ethyl Benzene	11.43	91	1314501	20.833	ug/l	99
68) m/p-Xylenes	11.57	106	947645	41.097	ug/l	97
69) o-Xylene	11.93	106	453382	20.725	ug/l	86
70) Styrene	11.96	104	732489	20.790	ug/l	99
71) Bromoform	12.12	173	151504	19.375	ug/l	96
73) Isopropylbenzene	12.27	105	1285816	20.654	ug/l	98
74) N-amyl acetate	12.14	43	297635	20.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	202714	20.089	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	194695	19.558	ug/l	99
77) Bromobenzene	12.54	156	329612	20.054	ug/l	98
78) n-propylbenzene	12.64	91	1640775	20.616	ug/l	100
79) 2-Chlorotoluene	12.71	91	872901	20.477	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1005490	20.916	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	52389	19.046	ug/l	95
82) 4-Chlorotoluene	12.81	91	996915	20.633	ug/l	98
83) tert-Butylbenzene	13.04	119	1092652	19.972	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	1014135	20.483	ug/l	99
85) sec-Butylbenzene	13.22	105	1362689	20.424	ug/l	99
86) p-Isopropyltoluene	13.34	119	1115011	20.703	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	607465	20.133	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	599192	20.153	ug/l	96
89) n-Butylbenzene	13.64	91	1156056	21.005	ug/l	96
90) Hexachloroethane	13.86	117	261429	19.759	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	500608	20.684	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	22858	19.282	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	390240	20.263	ug/l	95
94) Hexachlorobutadiene	14.88	225	290192	20.385	ug/l	99
95) Naphthalene	14.97	128	453206	19.799	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	315536	20.959	ug/l	99

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

