

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122218\
 Data File : VD060703.D
 Acq On : 22 Dec 2018 12:38
 Operator : VA/AP
 Sample : VD1222SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:04:16 AM

Quant Time: Dec 24 02:31:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1468120	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	2051193	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	1612407	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	847830	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	517472	51.00	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	6.35	113	747673	49.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	9.48	98	2159388	48.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.44	95	785088	50.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	316091	16.850	ug/l	97
3) Chloromethane	1.79	50	314905	18.240	ug/l	98
4) Vinyl Chloride	1.87	62	254252	18.549	ug/l	97
5) Bromomethane	2.17	94	30269	9.859	ug/l	85
6) Chloroethane	2.28	64	69493	16.989	ug/l	99
7) Trichlorofluoromethane	2.53	101	291119	19.095	ug/l	99
8) Diethyl Ether	2.86	74	49752	19.505	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.12	101	185700	18.778	ug/l	94
10) Methyl Iodide	3.28	142	199326	19.179	ug/l	100
11) Tert butyl alcohol	4.00	59	32564	76.799	ug/l	98
12) 1,1-Dichloroethene	3.10	96	156925	19.312	ug/l	94
13) Acrolein	3.02	56	43162	99.891	ug/l	95
14) Allyl chloride	3.57	41	306046	20.526	ug/l	96
15) Acrylonitrile	4.13	53	241875	98.257	ug/l	94
16) Acetone	3.19	43	165974	93.675	ug/l	97
17) Carbon Disulfide	3.35	76	462628	17.827	ug/l	100
18) Methyl Acetate	3.59	43	95461	21.740	ug/l	95
19) Methyl tert-butyl Ether	4.16	73	390385	18.937	ug/l	99
20) Methylene Chloride	3.75	84	326111	17.723	ug/l	99
21) trans-1,2-Dichloroethene	4.14	96	304058	18.272	ug/l	100
22) Diisopropyl ether	4.89	45	964083	19.044	ug/l	96
23) Vinyl Acetate	4.84	43	2378747	97.123	ug/l	100
24) 1,1-Dichloroethane	4.79	63	509522	19.135	ug/l	99
25) 2-Butanone	5.65	43	324547	95.723	ug/l	96
26) 2,2-Dichloropropane	5.62	77	396877	18.882	ug/l	100
27) cis-1,2-Dichloroethene	5.62	96	312225	18.483	ug/l	93
28) Bromochloromethane	5.96	49	207777	18.471	ug/l	95
29) Tetrahydrofuran	5.99	42	180371	93.842	ug/l	98
30) Chloroform	6.14	83	503223	18.781	ug/l	98
31) Cyclohexane	6.40	56	462624	18.054	ug/l	98
32) 1,1,1-Trichloroethane	6.32	97	415736	18.754	ug/l	96
36) 1,1-Dichloropropene	6.56	75	398461	18.865	ug/l	98
37) Ethyl Acetate	5.73	43	172244	19.499	ug/l #	98
38) Carbon Tetrachloride	6.53	117	348430	18.699	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	440736	18.296	ug/l	99
40) Benzene	6.82	78	1018544	18.669	ug/l	99
41) Methacrylonitrile	5.96	41	81638m	16.708	ug/l	
42) 1,2-Dichloroethane	6.92	62	251793	18.597	ug/l	99
43) Isopropyl Acetate	8.37	43	210674	18.585	ug/l #	100
44) Trichloroethene	7.77	130	299864	18.570	ug/l	100
45) 1,2-Dichloropropane	8.13	63	251278	18.780	ug/l	100
46) Dibromomethane	8.24	93	146173	19.142	ug/l	91
47) Bromodichloromethane	8.52	83	338287	18.704	ug/l	96
48) Methyl methacrylate	8.27	41	125544	18.234	ug/l	99
49) 1,4-Dioxane	8.26	88	23189	362.232	ug/l #	87
51) 4-Methyl-2-Pentanone	9.36	43	651038	93.738	ug/l	99
52) Toluene	9.57	92	626204	18.309	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	285654	18.931	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	369284	18.698	ug/l	96
55) 1,1,2-Trichloroethane	10.21	97	177769	19.318	ug/l	96
56) Ethyl methacrylate	10.05	69	153402	17.947	ug/l	98
57) 1,3-Dichloropropane	10.41	76	268061	18.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	515707	102.396	ug/l	99
59) 2-Hexanone	10.50	43	463459	95.334	ug/l	99
60) Dibromochloromethane	10.66	129	216998	18.512	ug/l	98
61) 1,2-Dibromoethane	10.78	107	180356	18.895	ug/l	94
64) Tetrachloroethene	10.28	164	269817	18.463	ug/l	98
65) Chlorobenzene	11.33	112	681988	19.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	229298	20.019	ug/l	99
67) Ethyl Benzene	11.45	91	1245126	20.409	ug/l	99
68) m/p-Xylenes	11.59	106	908689	40.755	ug/l	99
69) o-Xylene	11.95	106	427526	20.211	ug/l	95
70) Styrene	11.97	104	668952	19.635	ug/l	98
71) Bromoform	12.13	173	139717	18.479	ug/l	99
73) Isopropylbenzene	12.30	105	1191860	19.744	ug/l	99
74) N-amyl acetate	12.15	43	270565	18.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	189829	19.401	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	186436	19.315	ug/l	100
77) Bromobenzene	12.55	156	303053	19.016	ug/l	90
78) n-propylbenzene	12.65	91	1473457	19.093	ug/l	98
79) 2-Chlorotoluene	12.72	91	806133	19.503	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	954346	20.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	50868	19.072	ug/l	97
82) 4-Chlorotoluene	12.83	91	937556	20.012	ug/l	89
83) tert-Butylbenzene	13.06	119	1055587	19.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	945233	19.689	ug/l	97
85) sec-Butylbenzene	13.23	105	1280620	19.795	ug/l	99
86) p-Isopropyltoluene	13.36	119	1017290	19.480	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	576170	19.694	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	549275	19.053	ug/l	99
89) n-Butylbenzene	13.66	91	1075323	20.150	ug/l	99
90) Hexachloroethane	13.87	117	239260	18.650	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	466286	19.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21718	18.894	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	353003	18.903	ug/l	99
94) Hexachlorobutadiene	14.89	225	263039	19.056	ug/l	97
95) Naphthalene	14.98	128	414056	18.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	285971	19.590	ug/l	99

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

