

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060528.D
 Acq On : 11 Dec 2018 11:45
 Operator : VA/AP
 Sample : VD1211SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:29:59 PM

Quant Time: Dec 12 03:27:32 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	1635439	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2253318	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1750125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	902324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	573969	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	6.33	113	815753	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	9.46	98	2420605	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.43	95	842357	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	441308	25.081	ug/l	99
3) Chloromethane	1.77	50	388774	23.137	ug/l	97
4) Vinyl Chloride	1.87	62	309765	23.098	ug/l	100
5) Bromomethane	2.16	94	56917	16.965	ug/l #	79
6) Chloroethane	2.27	64	79089	17.039	ug/l	99
7) Trichlorofluoromethane	2.52	101	323995	20.923	ug/l	100
8) Diethyl Ether	2.84	74	58497	21.871	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	219646	21.862	ug/l	95
10) Methyl Iodide	3.26	142	238050	20.270	ug/l	98
11) Tert butyl alcohol	3.98	59	39455	83.778	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	181479	22.201	ug/l	96
13) Acrolein	3.00	56	47850	92.986	ug/l	96
14) Allyl chloride	3.55	41	328780	21.199	ug/l	99
15) Acrylonitrile	4.09	53	279704	104.599	ug/l	97
16) Acetone	3.18	43	178271	95.943	ug/l	100
17) Carbon Disulfide	3.33	76	565454	21.295	ug/l	100
18) Methyl Acetate	3.57	43	91429	20.704	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	467370	20.617	ug/l	98
20) Methylene Chloride	3.73	84	387389	20.025	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	373666	21.014	ug/l	98
22) Diisopropyl ether	4.86	45	1171204	21.033	ug/l	99
23) Vinyl Acetate	4.81	43	2917072	105.732	ug/l	99
24) 1,1-Dichloroethane	4.76	63	614404	21.239	ug/l	99
25) 2-Butanone	5.63	43	358838	98.161	ug/l	98
26) 2,2-Dichloropropane	5.59	77	497964	22.283	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	387530	21.435	ug/l	95
28) Bromochloromethane	5.93	49	239427	18.683	ug/l	99
29) Tetrahydrofuran	5.95	42	218714	105.654	ug/l	96
30) Chloroform	6.10	83	617314	21.181	ug/l	98
31) Cyclohexane	6.38	56	592349	21.784	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	507243	21.171	ug/l	99
36) 1,1-Dichloropropene	6.52	75	480260	21.805	ug/l	98
37) Ethyl Acetate	5.71	43	201923	21.139	ug/l	98
38) Carbon Tetrachloride	6.50	117	430309	21.762	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	554631	22.089	ug/l	97
40) Benzene	6.80	78	1233969	21.921	ug/l	99
41) Methacrylonitrile	5.93	41	124166m	24.113	ug/l	
42) 1,2-Dichloroethane	6.90	62	309277	21.609	ug/l	99
43) Isopropyl Acetate	8.34	43	241915	20.516	ug/l #	98
44) Trichloroethene	7.74	130	358851	21.331	ug/l	99
45) 1,2-Dichloropropane	8.10	63	299332	21.500	ug/l	98
46) Dibromomethane	8.22	93	165258	20.545	ug/l	97
47) Bromodichloromethane	8.49	83	410406	21.503	ug/l	99
48) Methyl methacrylate	8.25	41	147907	21.199	ug/l	99
49) 1,4-Dioxane	8.24	88	26876	425.021	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	764758	104.264	ug/l	98
52) Toluene	9.54	92	749772	21.310	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	332563	21.206	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	443369	21.518	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	204320	20.854	ug/l	97
56) Ethyl methacrylate	10.03	69	184869	20.848	ug/l	97
57) 1,3-Dichloropropane	10.38	76	320832	21.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	547297	103.153	ug/l	99
59) 2-Hexanone	10.49	43	521646	101.747	ug/l	99
60) Dibromochloromethane	10.64	129	268544	21.922	ug/l	100
61) 1,2-Dibromoethane	10.76	107	205071	20.538	ug/l	97
64) Tetrachloroethene	10.25	164	336987	21.745	ug/l	99
65) Chlorobenzene	11.32	112	807330	21.805	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	267440	22.410	ug/l	98
67) Ethyl Benzene	11.42	91	1447651	22.923	ug/l	98
68) m/p-Xylenes	11.56	106	1078227	46.149	ug/l	98
69) o-Xylene	11.94	106	497346	22.337	ug/l	98
70) Styrene	11.96	104	787928	22.046	ug/l	99
71) Bromoform	12.11	173	164089	20.610	ug/l	98
73) Isopropylbenzene	12.27	105	1399006	21.910	ug/l	99
74) N-amyl acetate	12.13	43	317277	20.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	207018	20.252	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	208974	20.440	ug/l	100
77) Bromobenzene	12.54	156	355335	21.171	ug/l	97
78) n-propylbenzene	12.63	91	1795803	22.249	ug/l	99
79) 2-Chlorotoluene	12.70	91	961205	21.946	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1095320	22.450	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	57787	20.266	ug/l	97
82) 4-Chlorotoluene	12.81	91	1071397	21.780	ug/l	100
83) tert-Butylbenzene	13.05	119	1219658	22.295	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1097763	21.730	ug/l	97
85) sec-Butylbenzene	13.23	105	1563756	22.935	ug/l	93
86) p-Isopropyltoluene	13.34	119	1207065	22.333	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	648191	21.330	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	631626	21.187	ug/l	99
89) n-Butylbenzene	13.65	91	1275575	21.299	ug/l	98
90) Hexachloroethane	13.86	117	289512	21.364	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	543166	21.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25656	20.714	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	419356	21.601	ug/l	99
94) Hexachlorobutadiene	14.88	225	310272	21.662	ug/l	99
95) Naphthalene	14.97	128	478736	20.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	318492	20.589	ug/l	99

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

