

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\
 Data File : VD060311.D
 Acq On : 9 Nov 2018 14:34
 Operator : VA/AP
 Sample : VD1109SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Quant Time: Nov 12 14:35:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1487144	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2017241	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1623729	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	850890	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	522007	49.02	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.04%	
35) Dibromofluoromethane	6.31	113	735804	48.92	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	97.84%	
50) Toluene-d8	9.45	98	2109236	47.91	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.42	95	764621	47.93	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	307382	23.966	ug/l	98
3) Chloromethane	1.75	50	298587	21.196	ug/l	98
4) Vinyl Chloride	1.84	62	237995	20.688	ug/l	99
5) Bromomethane	2.13	94	42017	15.394	ug/l	97
6) Chloroethane	2.24	64	70472	18.462	ug/l	90
7) Trichlorofluoromethane	2.50	101	284840	21.001	ug/l	97
8) Diethyl Ether	2.81	74	53110	21.628	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.08	101	188757	21.159	ug/l	95
10) Methyl Iodide	3.24	142	236113	20.378	ug/l	99
11) Tert butyl alcohol	3.96	59	49978	114.300	ug/l	98
12) 1,1-Dichloroethene	3.06	96	150813	20.784	ug/l	98
13) Acrolein	2.97	56	47724	92.370	ug/l	100
14) Allyl chloride	3.52	41	289049	20.819	ug/l	97
15) Acrylonitrile	4.07	53	289617	113.583	ug/l	99
16) Acetone	3.15	43	187700	101.622	ug/l	94
17) Carbon Disulfide	3.30	76	473815	20.230	ug/l	99
18) Methyl Acetate	3.54	43	79505	20.188	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	494202	22.745	ug/l	99
20) Methylene Chloride	3.71	84	385492	23.528	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	351412	21.811	ug/l	99
22) Diisopropyl ether	4.84	45	1197364	23.083	ug/l	98
23) Vinyl Acetate	4.79	43	3045477	117.994	ug/l	99
24) 1,1-Dichloroethane	4.74	63	587367	22.082	ug/l	100
25) 2-Butanone	5.61	43	452136	117.769	ug/l	100
26) 2,2-Dichloropropane	5.57	77	469590	22.707	ug/l	95
27) cis-1,2-Dichloroethene	5.58	96	371836	22.153	ug/l	92
28) Bromochloromethane	5.91	49	252568	21.520	ug/l	89
29) Tetrahydrofuran	5.94	42	237491	117.330	ug/l	99
30) Chloroform	6.09	83	582462	21.904	ug/l	100
31) Cyclohexane	6.36	56	544145	21.403	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	485134	21.658	ug/l	99
36) 1,1-Dichloropropene	6.51	75	457701	22.966	ug/l	99
37) Ethyl Acetate	5.69	43	214328	23.371	ug/l	98
38) Carbon Tetrachloride	6.48	117	408581	22.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	518253	22.609	ug/l	99
40) Benzene	6.78	78	1176023	23.117	ug/l	100
41) Methacrylonitrile	5.94	41	253271	24.129	ug/l #	88
42) 1,2-Dichloroethane	6.89	62	311156	23.368	ug/l	100
43) Isopropyl Acetate	8.34	43	266034	23.094	ug/l #	98
44) Trichloroethene	7.73	130	351359	22.784	ug/l	97
45) 1,2-Dichloropropane	8.09	63	290976	22.679	ug/l	98
46) Dibromomethane	8.21	93	170820	22.732	ug/l	98
47) Bromodichloromethane	8.48	83	406793	22.973	ug/l	95
48) Methyl methacrylate	8.24	41	163594	23.380	ug/l	94
49) 1,4-Dioxane	8.22	88	28210	465.955	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	889498	118.637	ug/l	100
52) Toluene	9.54	92	743096	22.867	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	345105	23.066	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	441888	23.028	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	213122	22.628	ug/l	97
56) Ethyl methacrylate	10.03	69	206136	23.803	ug/l	99
57) 1,3-Dichloropropane	10.37	76	318748	22.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	601926	114.954	ug/l	99
59) 2-Hexanone	10.48	43	656137	122.783	ug/l	99
60) Dibromochloromethane	10.64	129	270180	23.598	ug/l	95
61) 1,2-Dibromoethane	10.75	107	213955	22.672	ug/l	94
64) Tetrachloroethene	10.24	164	326475	22.522	ug/l	98
65) Chlorobenzene	11.31	112	795992	22.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	266159	23.122	ug/l	98
67) Ethyl Benzene	11.42	91	1382980	22.979	ug/l	100
68) m/p-Xylenes	11.56	106	1023239	46.091	ug/l	96
69) o-Xylene	11.93	106	489996	22.846	ug/l	99
70) Styrene	11.96	104	797657	23.013	ug/l	99
71) Bromoform	12.11	173	172346	22.281	ug/l	99
73) Isopropylbenzene	12.27	105	1337350	21.572	ug/l	99
74) N-amyl acetate	12.13	43	352661	22.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	223802	22.074	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	224655	22.071	ug/l	99
77) Bromobenzene	12.54	156	364326	22.124	ug/l	97
78) n-propylbenzene	12.63	91	1693846	21.890	ug/l	99
79) 2-Chlorotoluene	12.70	91	931652	21.983	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1053679	21.870	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	63076	21.767	ug/l	98
82) 4-Chlorotoluene	12.80	91	1061644	22.300	ug/l	100
83) tert-Butylbenzene	13.05	119	1181372	22.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1053779	21.901	ug/l	99
85) sec-Butylbenzene	13.22	105	1412410	21.523	ug/l	100
86) p-Isopropyltoluene	13.34	119	1175157	22.237	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	685377	23.394	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	643819	22.501	ug/l	99
89) n-Butylbenzene	13.65	91	1212752	20.972	ug/l	100
90) Hexachloroethane	13.85	117	272152	21.718	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	567433	23.580	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	27313	22.317	ug/l	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	437202	22.915	ug/l	99
94) Hexachlorobutadiene	14.88	225	319900	22.416	ug/l	98
95) Naphthalene	14.97	128	537792	23.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	356925	23.345	ug/l	98

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

