

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067546.D
 Acq On : 06 Nov 2020 11:37
 Operator : VA/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:13:21 AM

Quant Time: Nov 06 23:40:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	452644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	415166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213680	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	130823	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
35) Dibromofluoromethane	7.92	113	131671	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.56%	
50) Toluene-d8	10.34	98	454651	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.64	95	165019	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	64357	23.043	ug/l	97
3) Chloromethane	2.21	50	40153	20.677	ug/l	92
4) Vinyl Chloride	2.35	62	42366	19.568	ug/l	97
5) Bromomethane	2.76	94	34908	19.893	ug/l	97
6) Chloroethane	2.91	64	26204	19.631	ug/l	90
7) Trichlorofluoromethane	3.27	101	119610	21.337	ug/l	99
8) Diethyl Ether	3.70	74	23805	21.074	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	63653	22.495	ug/l	96
10) Methyl Iodide	4.30	142	55785	18.394	ug/l	98
11) Tert butyl alcohol	5.21	59	19460m	158.191	ug/l	
12) 1,1-Dichloroethene	4.07	96	54856	21.076	ug/l	95
13) Acrolein	3.93	56	6719	77.573	ug/l	100
14) Allyl chloride	4.72	41	55149	19.797	ug/l	98
15) Acrylonitrile	5.41	53	45813	109.718	ug/l	99
16) Acetone	4.16	43	42334	103.749	ug/l	89
17) Carbon Disulfide	4.41	76	162586	20.385	ug/l	99
18) Methyl Acetate	4.71	43	19063	22.608	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	111865	21.789	ug/l	95
20) Methylene Chloride	4.97	84	71433	24.783	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	61170	20.178	ug/l	98
22) Diisopropyl ether	6.37	45	119484	22.011	ug/l	95
23) Vinyl Acetate	6.31	43	306845	107.986	ug/l	100
24) 1,1-Dichloroethane	6.27	63	92505	20.830	ug/l	99
25) 2-Butanone	7.21	43	48277	110.727	ug/l	99
26) 2,2-Dichloropropane	7.21	77	98964	21.115	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	68932	21.906	ug/l	99
28) Bromochloromethane	7.55	49	31089	19.681	ug/l	97
29) Tetrahydrofuran	7.57	42	29866	114.356	ug/l	98
30) Chloroform	7.71	83	114496	21.611	ug/l	99
31) Cyclohexane	7.98	56	79521	20.108	ug/l #	79
32) 1,1,1-Trichloroethane	7.91	97	115723	21.170	ug/l	99
36) 1,1-Dichloropropene	8.11	75	84706	21.862	ug/l	99
37) Ethyl Acetate	7.29	43	22188	22.058	ug/l	98
38) Carbon Tetrachloride	8.10	117	114024	22.650	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97889	21.466	ug/l	94
40) Benzene	8.35	78	234500	22.343	ug/l	98
41) Methacrylonitrile	7.51	41	11380	18.926	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	73017	22.517	ug/l	100
43) Isopropyl Acetate	8.46	43	46708	23.479	ug/l	99
44) Trichloroethene	9.11	130	75117	21.767	ug/l	92
45) 1,2-Dichloropropane	9.39	63	50667	22.329	ug/l	93
46) Dibromomethane	9.47	93	33109	22.948	ug/l	97
47) Bromodichloromethane	9.66	83	88934	22.679	ug/l	95
48) Methyl methacrylate	9.46	41	23165	22.553	ug/l	97
49) 1,4-Dioxane	9.47	88	7139	487.412	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	109875	115.485	ug/l	98
52) Toluene	10.41	92	159094	22.632	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	76903	22.897	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	89703	22.480	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	43520	22.797	ug/l	95
56) Ethyl methacrylate	10.67	69	43239	21.934	ug/l	96
57) 1,3-Dichloropropane	10.95	76	70429	22.927	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	99406	108.133	ug/l	99
59) 2-Hexanone	10.99	43	78720	118.334	ug/l	96
60) Dibromochloromethane	11.14	129	64066	22.687	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41989	21.916	ug/l	99
64) Tetrachloroethene	10.88	164	67841	22.064	ug/l	99
65) Chlorobenzene	11.67	112	175462	21.940	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	68553	21.749	ug/l	99
67) Ethyl Benzene	11.75	91	301965	22.066	ug/l	97
68) m/p-Xylenes	11.86	106	238965	44.884	ug/l	98
69) o-Xylene	12.18	106	105600	22.216	ug/l	100
70) Styrene	12.20	104	184376	22.260	ug/l	98
71) Bromoform	12.37	173	38284	23.815	ug/l #	96
73) Isopropylbenzene	12.48	105	303200	21.955	ug/l	99
74) N-amyl acetate	12.29	43	41243	22.697	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	43565	23.135	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26829m	20.813	ug/l	
77) Bromobenzene	12.76	156	75715	22.325	ug/l	97
78) n-propylbenzene	12.83	91	345372	21.865	ug/l	99
79) 2-Chlorotoluene	12.91	91	197873	22.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	262868	22.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13040	20.538	ug/l	95
82) 4-Chlorotoluene	13.01	91	215753	22.420	ug/l	97
83) tert-Butylbenzene	13.23	119	220797	22.084	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	260335	22.170	ug/l	98
85) sec-Butylbenzene	13.41	105	291797	21.620	ug/l	98
86) p-Isopropyltoluene	13.52	119	285470	21.903	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	143848	22.228	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	140657	21.465	ug/l	98
89) n-Butylbenzene	13.85	91	241290	21.433	ug/l	99
90) Hexachloroethane	14.11	117	54475	22.195	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	120773	21.563	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7963	23.883	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	84283	22.172	ug/l	98
94) Hexachlorobutadiene	15.27	225	51438	20.218	ug/l	99
95) Naphthalene	15.40	128	133057	22.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71682	22.020	ug/l	99

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

