

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067486.D
 Acq On : 02 Nov 2020 12:48
 Operator : VA/SY
 Sample : VD1102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:16:23 PM

Quant Time: Nov 03 01:24:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	283210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	415208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	380650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	138278	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
35) Dibromofluoromethane	7.92	113	138747	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
50) Toluene-d8	10.34	98	499583	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.64	95	176740	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	46647	17.694	ug/l	99
3) Chloromethane	2.21	50	32478	18.222	ug/l	97
4) Vinyl Chloride	2.35	62	36542	18.685	ug/l	100
5) Bromomethane	2.77	94	30172	20.799	ug/l	91
6) Chloroethane	2.93	64	23230	19.073	ug/l #	83
7) Trichlorofluoromethane	3.28	101	103380	20.993	ug/l	86
8) Diethyl Ether	3.71	74	21442	19.028	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51911	19.841	ug/l	98
10) Methyl Iodide	4.30	142	50855	21.071	ug/l	95
11) Tert butyl alcohol	5.21	59	15069	69.170	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	46097	19.722	ug/l	87
13) Acrolein	3.93	56	6919	58.930	ug/l	98
14) Allyl chloride	4.72	41	54685	20.430	ug/l	97
15) Acrylonitrile	5.43	53	37043	98.519	ug/l	99
16) Acetone	4.16	43	39087	98.364	ug/l	92
17) Carbon Disulfide	4.41	76	120068	18.019	ug/l	97
18) Methyl Acetate	4.72	43	16996	18.752	ug/l #	74
19) Methyl tert-butyl Ether	5.48	73	89210	19.195	ug/l	97
20) Methylene Chloride	4.96	84	61696	21.698	ug/l	97
21) trans-1,2-Dichloroethene	5.49	96	53919	20.046	ug/l	92
22) Diisopropyl ether	6.37	45	101827	20.825	ug/l	96
23) Vinyl Acetate	6.31	43	273639	98.364	ug/l	100
24) 1,1-Dichloroethane	6.27	63	86293	20.616	ug/l	100
25) 2-Butanone	7.21	43	43302	95.598	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	92607	21.465	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	58760	19.932	ug/l	95
28) Bromochloromethane	7.55	49	27506	19.266	ug/l #	98
29) Tetrahydrofuran	7.57	42	23569	93.605	ug/l	94
30) Chloroform	7.72	83	104914	20.982	ug/l	97
31) Cyclohexane	7.98	56	59580	18.231	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	101944	20.779	ug/l	97
36) 1,1-Dichloropropene	8.11	75	72679	20.652	ug/l	99
37) Ethyl Acetate	7.30	43	21687	20.946	ug/l #	73
38) Carbon Tetrachloride	8.10	117	99305	22.078	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74007	20.116	ug/l	98
40) Benzene	8.36	78	203096	21.037	ug/l	94
41) Methacrylonitrile	7.54	41	13689m	24.466	ug/l	
42) 1,2-Dichloroethane	8.43	62	65163	21.568	ug/l	100
43) Isopropyl Acetate	8.46	43	41371	20.137	ug/l	98
44) Trichloroethene	9.11	130	65322	21.132	ug/l	99
45) 1,2-Dichloropropane	9.40	63	45027	20.124	ug/l	96
46) Dibromomethane	9.48	93	28165	20.203	ug/l	97
47) Bromodichloromethane	9.67	83	79155	21.193	ug/l	98
48) Methyl methacrylate	9.46	41	18994	19.024	ug/l	98
49) 1,4-Dioxane	9.47	88	6033	429.877	ug/l #	83
51) 4-Methyl-2-Pentanone	10.24	43	99195	96.802	ug/l	99
52) Toluene	10.41	92	142987	21.745	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	68096	20.754	ug/l #	88
54) cis-1,3-Dichloropropene	10.10	75	79510	20.707	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	38267	20.130	ug/l	92
56) Ethyl methacrylate	10.67	69	39146	19.855	ug/l	98
57) 1,3-Dichloropropane	10.96	76	63363	20.944	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	103981	102.809	ug/l	96
59) 2-Hexanone	10.99	43	69520	99.282	ug/l	100
60) Dibromochloromethane	11.15	129	58771	21.199	ug/l	99
61) 1,2-Dibromoethane	11.26	107	37649	20.089	ug/l	99
64) Tetrachloroethene	10.88	164	58966	21.381	ug/l	90
65) Chlorobenzene	11.68	112	156200	21.399	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	63633	21.934	ug/l	99
67) Ethyl Benzene	11.75	91	265640	21.230	ug/l	99
68) m/p-Xylenes	11.86	106	212534	44.109	ug/l	99
69) o-Xylene	12.19	106	94013	21.070	ug/l	98
70) Styrene	12.20	104	164921	21.472	ug/l	98
71) Bromoform	12.37	173	32070	20.577	ug/l #	96
73) Isopropylbenzene	12.49	105	272609	22.248	ug/l	100
74) N-amyl acetate	12.30	43	36321	19.627	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	37707	20.084	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	31836m	23.792	ug/l	
77) Bromobenzene	12.77	156	66262	21.691	ug/l	98
78) n-propylbenzene	12.83	91	311381	21.934	ug/l	98
79) 2-Chlorotoluene	12.91	91	177683	21.582	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	232440	21.830	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	13437	22.772	ug/l	93
82) 4-Chlorotoluene	13.01	91	191599	21.927	ug/l	99
83) tert-Butylbenzene	13.23	119	191562	21.298	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	231343	21.983	ug/l	98
85) sec-Butylbenzene	13.41	105	271766	22.021	ug/l	99
86) p-Isopropyltoluene	13.53	119	259635	22.289	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	126566	21.526	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	126836	21.773	ug/l	98
89) n-Butylbenzene	13.85	91	219312	21.401	ug/l	99
90) Hexachloroethane	14.12	117	44445	21.864	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	114224	22.238	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6274	18.395	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	74086	21.393	ug/l	99
94) Hexachlorobutadiene	15.27	225	46848	21.784	ug/l	96
95) Naphthalene	15.41	128	114039	20.056	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	62670	20.947	ug/l	99

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

