

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067622.D
 Acq On : 12 Nov 2020 14:46
 Operator : VA/SY
 Sample : VD1112SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:34:48 PM

Quant Time: Nov 13 01:12:37 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	366986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	141068	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
35) Dibromofluoromethane	7.92	113	151878	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.34	98	527830	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	12.64	95	195094	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	65171	19.130	ug/l	100
3) Chloromethane	2.21	50	56087	24.543	ug/l	97
4) Vinyl Chloride	2.35	62	50687	19.894	ug/l	92
5) Bromomethane	2.76	94	38640	18.711	ug/l	99
6) Chloroethane	2.92	64	30763	19.584	ug/l	98
7) Trichlorofluoromethane	3.27	101	130763	19.821	ug/l	91
8) Diethyl Ether	3.70	74	27979	21.048	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	70268	21.101	ug/l	100
10) Methyl Iodide	4.30	142	66119	18.525	ug/l	97
11) Tert butyl alcohol	5.22	59	15716	101.665	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	63510	20.734	ug/l	96
13) Acrolein	3.91	56	6066	66.113	ug/l	87
14) Allyl chloride	4.71	41	70428	21.484	ug/l	95
15) Acrylonitrile	5.42	53	52018	105.859	ug/l	97
16) Acetone	4.16	43	42278	88.044	ug/l #	87
17) Carbon Disulfide	4.41	76	186290	19.848	ug/l	98
18) Methyl Acetate	4.73	43	22517	22.692	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	131883	21.828	ug/l #	92
20) Methylene Chloride	4.96	84	88389	26.058	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	74021	20.748	ug/l	96
22) Diisopropyl ether	6.37	45	145947	22.846	ug/l	94
23) Vinyl Acetate	6.31	43	364324	108.949	ug/l	96
24) 1,1-Dichloroethane	6.27	63	110180	21.082	ug/l	94
25) 2-Butanone	7.21	43	58936	114.863	ug/l	94
26) 2,2-Dichloropropane	7.21	77	115923	21.017	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	77592	20.953	ug/l	94
28) Bromochloromethane	7.56	49	39197	21.085	ug/l	93
29) Tetrahydrofuran	7.57	42	34923	113.627	ug/l	98
30) Chloroform	7.71	83	132108	21.188	ug/l	97
31) Cyclohexane	7.99	56	114202	24.538	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	131847	20.495	ug/l	98
36) 1,1-Dichloropropene	8.11	75	98320	21.177	ug/l	99
37) Ethyl Acetate	7.29	43	27922	23.165	ug/l	98
38) Carbon Tetrachloride	8.10	117	123419	20.460	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	122741	22.462	ug/l	90
40) Benzene	8.36	78	270690	21.524	ug/l	98
41) Methacrylonitrile	7.53	41	14517	20.149	ug/l	98
42) 1,2-Dichloroethane	8.43	62	76403	19.663	ug/l	96
43) Isopropyl Acetate	8.46	43	60820	25.514	ug/l	93
44) Trichloroethene	9.11	130	88192	21.328	ug/l	91
45) 1,2-Dichloropropane	9.39	63	63157	23.228	ug/l	92
46) Dibromomethane	9.48	93	34742	20.096	ug/l	92
47) Bromodichloromethane	9.66	83	98815	21.029	ug/l #	94
48) Methyl methacrylate	9.46	41	28591	23.230	ug/l	95
49) 1,4-Dioxane	9.46	88	8631	491.782	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	135101	118.505	ug/l	100
52) Toluene	10.41	92	691927	82.144	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	88129	21.898	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	102115	21.356	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	50348	22.011	ug/l	96
56) Ethyl methacrylate	10.67	69	53478	22.640	ug/l	98
57) 1,3-Dichloropropane	10.95	76	81657	22.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123253	111.891	ug/l	100
59) 2-Hexanone	10.99	43	90482	113.511	ug/l	97
60) Dibromochloromethane	11.14	129	71751	21.205	ug/l	99
61) 1,2-Dibromoethane	11.25	107	48450	21.104	ug/l	94
64) Tetrachloroethene	10.88	164	78857	21.717	ug/l	96
65) Chlorobenzene	11.67	112	203845	21.583	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	80522	21.631	ug/l	98
67) Ethyl Benzene	11.75	91	374047	23.144	ug/l	97
68) m/p-Xylenes	11.86	106	307796	48.953	ug/l	98
69) o-Xylene	12.18	106	131868	23.490	ug/l	100
70) Styrene	12.20	104	222727	22.769	ug/l	98
71) Bromoform	12.37	173	42126	22.189	ug/l #	99
73) Isopropylbenzene	12.48	105	351899	22.470	ug/l	99
74) N-amyl acetate	12.30	43	48821	23.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	48652	22.782	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	35943m	24.588	ug/l	
77) Bromobenzene	12.76	156	84726	22.029	ug/l	98
78) n-propylbenzene	12.83	91	405716	22.649	ug/l	99
79) 2-Chlorotoluene	12.91	91	236405	23.233	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	307698	23.000	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	16075	22.326	ug/l	92
82) 4-Chlorotoluene	13.01	91	246591	22.595	ug/l	100
83) tert-Butylbenzene	13.23	119	262415	23.145	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	320693	24.082	ug/l	99
85) sec-Butylbenzene	13.41	105	348897	22.795	ug/l	99
86) p-Isopropyltoluene	13.52	119	326991	22.123	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	163349	22.258	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163961	22.064	ug/l	99
89) n-Butylbenzene	13.84	91	285473	22.361	ug/l	99
90) Hexachloroethane	14.11	117	57495	20.656	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	138981	21.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9164	24.237	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93991	21.803	ug/l	99
94) Hexachlorobutadiene	15.27	225	63668	22.067	ug/l	97
95) Naphthalene	15.40	128	148484	22.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	78275	21.204	ug/l	98

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

