

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067737.D
 Acq On : 23 Nov 2020 10:56
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:25 PM

Quant Time: Nov 24 00:41:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	263484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	384173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184927	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.33	65	12247	4.73	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.46%#	
35) Dibromofluoromethane		7.92	113	11134	4.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.06%#	
50) Toluene-d8		10.34	98	42400	4.75	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.50%#	
62) 4-Bromofluorobenzene		12.63	95	14179	4.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.24%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	12106	5.214	ug/l	99
3) Chloromethane	2.20	50	6372	4.829	ug/l	91
4) Vinyl Chloride	2.34	62	8296	5.037	ug/l #	88
5) Bromomethane	2.77	94	7320	5.189	ug/l	97
6) Chloroethane	2.92	64	5760	5.298	ug/l #	87
7) Trichlorofluoromethane	3.27	101	25319	5.078	ug/l	99
8) Diethyl Ether	3.71	74	4947	4.917	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	12627	5.316	ug/l #	70
10) Methyl Iodide	4.31	142	10058m	4.127	ug/l	
11) Tert butyl alcohol	5.20	59	7956m	41.140	ug/l	
12) 1,1-Dichloroethene	4.06	96	11533	5.279	ug/l #	81
13) Acrolein	3.93	56	2480	23.203	ug/l	91
14) Allyl chloride	4.71	41	10224	4.871	ug/l	94
15) Acrylonitrile	5.41	53	8285m	24.296	ug/l	
16) Acetone	4.15	43	8005	23.337	ug/l	89
17) Carbon Disulfide	4.41	76	30306	4.734	ug/l #	94
18) Methyl Acetate	4.71	43	3695	5.582	ug/l	90
19) Methyl tert-butyl Ether	5.48	73	21648m	4.634	ug/l	
20) Methylene Chloride	4.97	84	27501	8.087	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	13014	5.322	ug/l #	86
22) Diisopropyl ether	6.36	45	18644	4.513	ug/l	95
23) Vinyl Acetate	6.30	43	47119	20.087	ug/l	98
24) 1,1-Dichloroethane	6.27	63	16935	4.737	ug/l	91
25) 2-Butanone	7.21	43	10155	27.728	ug/l	96
26) 2,2-Dichloropropane	7.21	77	22032	5.263	ug/l #	73
27) cis-1,2-Dichloroethene	7.21	96	12909	4.892	ug/l	94
28) Bromochloromethane	7.54	49	5565	4.875	ug/l	99
29) Tetrahydrofuran	7.57	42	4498	20.952	ug/l #	87
30) Chloroform	7.71	83	24063	5.190	ug/l	99
31) Cyclohexane	7.98	56	19545	6.323	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	25389	5.139	ug/l	98
36) 1,1-Dichloropropene	8.11	75	16000	4.811	ug/l	96
37) Ethyl Acetate	7.29	43	4271	4.889	ug/l #	89
38) Carbon Tetrachloride	8.10	117	24063	4.931	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	18887	4.782	ug/l	96
40) Benzene	8.36	78	45957	5.011	ug/l	97
41) Methacrylonitrile	7.53	41	1939m	4.779	ug/l	
42) 1,2-Dichloroethane	8.43	62	15930	5.170	ug/l	98
43) Isopropyl Acetate	8.46	43	8230	4.656	ug/l	96
44) Trichloroethene	9.11	130	14670	4.797	ug/l	76
45) 1,2-Dichloropropane	9.38	63	9460	5.073	ug/l	92
46) Dibromomethane	9.48	93	6357	5.075	ug/l	99
47) Bromodichloromethane	9.67	83	16877	4.767	ug/l	91
48) Methyl methacrylate	9.46	41	4432	5.061	ug/l	95
49) 1,4-Dioxane	9.47	88	1462	107.622	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	18800	22.792	ug/l	89
52) Toluene	10.41	92	29425	4.756	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	14192	4.603	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	17332	4.965	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	8870	5.216	ug/l	92
56) Ethyl methacrylate	10.66	69	7807	4.442	ug/l	96
57) 1,3-Dichloropropane	10.95	76	13191	4.953	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	19034	23.193	ug/l	96
59) 2-Hexanone	10.99	43	13084	22.227	ug/l	100
60) Dibromochloromethane	11.14	129	12489	4.818	ug/l	91
61) 1,2-Dibromoethane	11.24	107	8262	4.914	ug/l	99
64) Tetrachloroethene	10.88	164	13740	4.993	ug/l #	87
65) Chlorobenzene	11.67	112	34783	5.018	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	14012	5.045	ug/l	95
67) Ethyl Benzene	11.75	91	58100	4.883	ug/l	95
68) m/p-Xylenes	11.86	106	44372	9.537	ug/l	97
69) o-Xylene	12.18	106	20119	4.756	ug/l	96
70) Styrene	12.20	104	32393	4.432	ug/l	97
71) Bromoform	12.37	173	7470	4.940	ug/l #	99
73) Isopropylbenzene	12.48	105	55299	4.458	ug/l	98
74) N-amyl acetate	12.29	43	6995	4.352	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	8160	4.936	ug/l	91
76) 1,2,3-Trichloropropane	12.78	75	6461m	4.483	ug/l	
77) Bromobenzene	12.77	156	14481	4.688	ug/l	98
78) n-propylbenzene	12.83	91	60919	4.428	ug/l	98
79) 2-Chlorotoluene	12.91	91	37790	4.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	46792	4.297	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	2640	4.784	ug/l	98
82) 4-Chlorotoluene	13.01	91	40456	4.683	ug/l	97
83) tert-Butylbenzene	13.23	119	40011	4.360	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	47820	4.463	ug/l	98
85) sec-Butylbenzene	13.40	105	54477	4.495	ug/l	95
86) p-Isopropyltoluene	13.51	119	51349	4.382	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	29556	4.910	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	29794	4.967	ug/l	93
89) n-Butylbenzene	13.84	91	46555	4.641	ug/l	96
90) Hexachloroethane	14.11	117	10802	4.837	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	24325	4.699	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1798	5.110	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	16941	4.621	ug/l	98
94) Hexachlorobutadiene	15.27	225	10582	4.500	ug/l	98
95) Naphthalene	15.40	128	24856	4.184	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	14274	4.585	ug/l	99

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

