

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075286.D
 Acq On : 09 Feb 2023 11:08
 Operator : KP/SY
 Sample : VD0209SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0209SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 10 01:58:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	51965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	86241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	77614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	39974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	31011	50.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.780%			
35) Dibromofluoromethane	7.811	113	31131	51.480	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.960%			
50) Toluene-d8	10.269	98	113269	49.391	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.780%			
62) 4-Bromofluorobenzene	12.575	95	38238	50.567	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	10352	22.796	ug/l	99
3) Chloromethane	2.146	50	17325	20.802	ug/l	94
4) Vinyl Chloride	2.281	62	17341	20.059	ug/l	93
5) Bromomethane	2.681	94	10946	19.789	ug/l	98
6) Chloroethane	2.834	64	11339	19.012	ug/l	93
7) Trichlorofluoromethane	3.175	101	21677	20.166	ug/l	93
8) Diethyl Ether	3.593	74	5482	18.971	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.975	101	12809	20.999	ug/l	99
10) Methyl Iodide	4.170	142	12564	18.684	ug/l	95
11) Tert butyl alcohol	5.052	59	3120	78.878	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	11579	19.908	ug/l	94
13) Acrolein	3.805	56	2838	131.139	ug/l	94
14) Allyl chloride	4.570	41	18699	19.324	ug/l	90
15) Acrylonitrile	5.258	53	13443	95.251	ug/l	97
16) Acetone	4.028	43	15512	96.276	ug/l	91
17) Carbon Disulfide	4.270	76	36260	20.208	ug/l	97
18) Methyl Acetate	4.564	43	9077	19.444	ug/l #	72
19) Methyl tert-butyl Ether	5.317	73	25575	19.153	ug/l #	90
20) Methylene Chloride	4.805	84	16312	20.465	ug/l	96
21) trans-1,2-Dichloroethene	5.317	96	13899	21.118	ug/l	91
22) Diisopropyl ether	6.222	45	38391	19.946	ug/l	97
23) Vinyl Acetate	6.164	43	48319	86.576	ug/l	96
24) 1,1-Dichloroethane	6.111	63	24315	20.262	ug/l	99
25) 2-Butanone	7.081	43	18035	90.338	ug/l	96
26) 2,2-Dichloropropane	7.081	77	21399	20.146	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	14759	20.044	ug/l	99
28) Bromochloromethane	7.422	49	7297	22.162	ug/l #	93
29) Tetrahydrofuran	7.446	42	10631	98.890	ug/l	98
30) Chloroform	7.599	83	25320	20.500	ug/l	100
31) Cyclohexane	7.875	56	21275	19.663	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	22540	20.401	ug/l	98
36) 1,1-Dichloropropene	8.005	75	19057	20.230	ug/l	98
37) Ethyl Acetate	7.169	43	8086	19.682	ug/l #	72
38) Carbon Tetrachloride	7.993	117	16983	19.456	ug/l	99
39) Methylcyclohexane	9.269	83	21463	19.684	ug/l	98
40) Benzene	8.258	78	53899	20.358	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3933	16.048	ug/l	94
42) 1,2-Dichloroethane	8.322	62	15615	20.372	ug/l	100
43) Isopropyl Acetate	8.358	43	14715	18.745	ug/l #	82
44) Trichloroethene	9.028	130	14211	19.472	ug/l	99
45) 1,2-Dichloropropane	9.310	63	14064	20.917	ug/l	99
46) Dibromomethane	9.399	93	7070	18.974	ug/l	98
47) Bromodichloromethane	9.587	83	19034	20.525	ug/l #	94
48) Methyl methacrylate	9.381	41	7184	19.270	ug/l	92
49) 1,4-Dioxane	9.387	88	1381	399.841	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	36198	91.209	ug/l	99
52) Toluene	10.334	92	34627	20.765	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	15199	18.921	ug/l	91
54) cis-1,3-Dichloropropene	10.022	75	18937	19.718	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	10061	21.152	ug/l	93
56) Ethyl methacrylate	10.599	69	10945	19.793	ug/l	95
57) 1,3-Dichloropropane	10.881	76	16312	20.131	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	14939	103.394	ug/l	98
59) 2-Hexanone	10.922	43	27313	94.200	ug/l	98
60) Dibromochloromethane	11.075	129	11978	20.325	ug/l	98
61) 1,2-Dibromoethane	11.181	107	9256	20.181	ug/l	98
64) Tetrachloroethene	10.816	164	12000	20.075	ug/l	97
65) Chlorobenzene	11.610	112	36293	20.735	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.687	131	12717	19.956	ug/l	97
67) Ethyl Benzene	11.687	91	64329	19.907	ug/l	99
68) m/p-Xylenes	11.799	106	51551	41.938	ug/l	98
69) o-Xylene	12.122	106	23882	20.800	ug/l	99
70) Styrene	12.140	104	39820	20.473	ug/l	99
71) Bromoform	12.304	173	6821	19.927	ug/l #	98
73) Isopropylbenzene	12.422	105	63137	19.497	ug/l	99
74) N-amyl acetate	12.234	43	13035	17.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	11107	19.714	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	8755m	19.282	ug/l	
77) Bromobenzene	12.704	156	14554	19.847	ug/l	95
78) n-propylbenzene	12.763	91	80316	19.932	ug/l	99
79) 2-Chlorotoluene	12.851	91	43672	19.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	52493	19.468	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	2410	18.602	ug/l	95
82) 4-Chlorotoluene	12.946	91	46194	20.035	ug/l	97
83) tert-Butylbenzene	13.169	119	44210	19.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	52407	19.460	ug/l	97
85) sec-Butylbenzene	13.346	105	69043	19.361	ug/l	99
86) p-Isopropyltoluene	13.463	119	56742	19.451	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	29234	19.724	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	30015	20.238	ug/l	98
89) n-Butylbenzene	13.793	91	55553	19.506	ug/l	99
90) Hexachloroethane	14.051	117	11134	19.360	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	25070	19.494	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1482	16.959	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	14743	18.304	ug/l	96
94) Hexachlorobutadiene	15.210	225	8460	19.909	ug/l	98
95) Naphthalene	15.334	128	28059	18.717	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	12899	18.561	ug/l	95

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

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