

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092722\
 Data File : VD074439.D
 Acq On : 27 Sep 2022 12:24
 Operator : VA/SY
 Sample : VD0927SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0927SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 04:39:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	59062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	94038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	81247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	42338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	23918	47.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.080%		
35) Dibromofluoromethane	7.805	113	30342	47.785	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.560%		
50) Toluene-d8	10.269	98	106411	49.759	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.569	95	34257	45.324	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	11109	22.907	ug/l	99
3) Chloromethane	2.140	50	11608	25.261	ug/l	89
4) Vinyl Chloride	2.281	62	9764	23.469	ug/l	97
5) Bromomethane	2.675	94	6719	21.014	ug/l #	78
6) Chloroethane	2.828	64	7150	25.089	ug/l	96
7) Trichlorofluoromethane	3.169	101	20722	21.597	ug/l	95
8) Diethyl Ether	3.587	74	5893	20.833	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	14418	22.148	ug/l	98
10) Methyl Iodide	4.158	142	12284	22.144	ug/l	97
11) Tert butyl alcohol	5.028	59	8505	111.009	ug/l #	84
12) 1,1-Dichloroethene	3.928	96	13075	21.289	ug/l	83
13) Acrolein	3.799	56	3706	105.031	ug/l	99
14) Allyl chloride	4.558	41	13216	20.869	ug/l	97
15) Acrylonitrile	5.258	53	11569	96.422	ug/l	99
16) Acetone	4.022	43	8108	82.194	ug/l	97
17) Carbon Disulfide	4.264	76	33503	23.844	ug/l	99
18) Methyl Acetate	4.564	43	6252	21.012	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	26509	20.081	ug/l	97
20) Methylene Chloride	4.793	84	20408	23.483	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	14649	22.442	ug/l	88
22) Diisopropyl ether	6.216	45	26983	18.630	ug/l	94
23) Vinyl Acetate	6.152	43	56087	91.222	ug/l	97
24) 1,1-Dichloroethane	6.111	63	23339	21.395	ug/l	98
25) 2-Butanone	7.081	43	11646	86.160	ug/l	93
26) 2,2-Dichloropropane	7.069	77	19654	19.373	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	15557	20.080	ug/l	99
28) Bromochloromethane	7.422	49	6270	18.042	ug/l #	94
29) Tetrahydrofuran	7.440	42	7110	92.644	ug/l	97
30) Chloroform	7.599	83	23361	19.030	ug/l	97
31) Cyclohexane	7.869	56	18268	21.159	ug/l	95
32) 1,1,1-Trichloroethane	7.787	97	22459	21.315	ug/l	98
36) 1,1-Dichloropropene	8.005	75	18206	21.320	ug/l	99
37) Ethyl Acetate	7.169	43	5139	18.262	ug/l	98
38) Carbon Tetrachloride	7.993	117	17571	21.502	ug/l	96
39) Methylcyclohexane	9.275	83	22357	22.094	ug/l	98
40) Benzene	8.246	78	51549	20.448	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	2586m	15.239	ug/l	
42) 1,2-Dichloroethane	8.328	62	12883	20.369	ug/l	98
43) Isopropyl Acetate	8.357	43	9926	18.143	ug/l	99
44) Trichloroethene	9.028	130	16514	21.417	ug/l	98
45) 1,2-Dichloropropane	9.304	63	11670	19.521	ug/l	95
46) Dibromomethane	9.393	93	6826	19.328	ug/l	96
47) Bromodichloromethane	9.581	83	17708	19.388	ug/l	99
48) Methyl methacrylate	9.381	41	4430	18.129	ug/l	96
49) 1,4-Dioxane	9.381	88	1186	333.237	ug/l #	94
51) 4-Methyl-2-Pentanone	10.157	43	25555	90.893	ug/l	99
52) Toluene	10.334	92	33828	20.761	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	14135	18.620	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	17901	18.476	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	9941	20.218	ug/l	97
56) Ethyl methacrylate	10.599	69	10355	18.772	ug/l	97
57) 1,3-Dichloropropane	10.875	76	15422	19.238	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	6035	88.582	ug/l	98
59) 2-Hexanone	10.922	43	17094	90.083	ug/l	99
60) Dibromochloromethane	11.069	129	11959	19.419	ug/l	98
61) 1,2-Dibromoethane	11.181	107	9038	18.908	ug/l	94
64) Tetrachloroethene	10.810	164	13407	21.278	ug/l	93
65) Chlorobenzene	11.604	112	37248	21.168	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	13166	20.670	ug/l	98
67) Ethyl Benzene	11.681	91	65143	21.042	ug/l	99
68) m/p-Xylenes	11.793	106	51842	42.667	ug/l	98
69) o-Xylene	12.116	106	23850	21.169	ug/l	100
70) Styrene	12.134	104	41716	21.240	ug/l	98
71) Bromoform	12.298	173	7312	20.832	ug/l #	98
73) Isopropylbenzene	12.416	105	67156	21.366	ug/l	99
74) N-amyl acetate	12.228	43	9349	18.870	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	10469	19.091	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	7277m	21.975	ug/l	
77) Bromobenzene	12.698	156	15011	20.160	ug/l	99
78) n-propylbenzene	12.757	91	79828	21.111	ug/l	99
79) 2-Chlorotoluene	12.845	91	42567	20.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	54867	21.100	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	2616	19.277	ug/l	96
82) 4-Chlorotoluene	12.945	91	42959	20.532	ug/l	97
83) tert-Butylbenzene	13.163	119	47116	20.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	54255	20.958	ug/l	100
85) sec-Butylbenzene	13.340	105	72549	20.599	ug/l	99
86) p-Isopropyltoluene	13.457	119	61956	21.047	ug/l	98
87) 1,3-Dichlorobenzene	13.451	146	31977	20.923	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	31028	20.282	ug/l	97
89) n-Butylbenzene	13.781	91	56044	20.533	ug/l	99
90) Hexachloroethane	14.051	117	10948	21.012	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	27063	20.308	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1386	19.265	ug/l	93
93) 1,2,4-Trichlorobenzene	15.092	180	18257	20.232	ug/l	98
94) Hexachlorobutadiene	15.198	225	10671	21.576	ug/l	94
95) Naphthalene	15.328	128	31047	18.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	15503	20.034	ug/l	97

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

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