

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092022\
 Data File : VD074377.D
 Acq On : 20 Sep 2022 20:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 21 02:26:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	82252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	140126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	63171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	42032	52.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.920%			
35) Dibromofluoromethane	7.805	113	45859	49.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.380%			
50) Toluene-d8	10.269	98	180624	56.722	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.440%			
62) 4-Bromofluorobenzene	12.569	95	54674	50.747	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	32837	43.338	ug/l	94
3) Chloromethane	2.140	50	51022	70.808	ug/l	98
4) Vinyl Chloride	2.275	62	31235	44.169	ug/l	97
5) Bromomethane	2.687	94	9366	21.423	ug/l	91
6) Chloroethane	2.828	64	20191	48.596	ug/l	99
7) Trichlorofluoromethane	3.164	101	64882	47.082	ug/l	98
8) Diethyl Ether	3.587	74	23368	53.197	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	44268	51.089	ug/l	99
10) Methyl Iodide	4.158	142	32997	30.829	ug/l	100
11) Tert butyl alcohol	5.046	59	25856	477.564	ug/l #	90
12) 1,1-Dichloroethene	3.934	96	43958	49.837	ug/l	99
13) Acrolein	3.787	56	7762	132.937	ug/l	99
14) Allyl chloride	4.558	41	65213	51.087	ug/l	98
15) Acrylonitrile	5.252	53	54211	279.984	ug/l	98
16) Acetone	4.017	43	35866	198.712	ug/l	97
17) Carbon Disulfide	4.264	76	120113	41.822	ug/l	99
18) Methyl Acetate	4.552	43	26551	53.875	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	108241	57.306	ug/l	100
20) Methylene Chloride	4.793	84	63814	57.974	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	50177	51.379	ug/l	100
22) Diisopropyl ether	6.211	45	153086	56.939	ug/l	99
23) Vinyl Acetate	6.152	43	373128	271.967	ug/l	100
24) 1,1-Dichloroethane	6.111	63	95554	55.215	ug/l	96
25) 2-Butanone	7.081	43	64875	241.321	ug/l	98
26) 2,2-Dichloropropane	7.075	77	74676	52.273	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	58438	54.009	ug/l	98
28) Bromochloromethane	7.422	49	34865	52.175	ug/l	100
29) Tetrahydrofuran	7.440	42	42257	274.281	ug/l	99
30) Chloroform	7.593	83	94215	55.366	ug/l	90
31) Cyclohexane	7.875	56	78322	46.613	ug/l	100
32) 1,1,1-Trichloroethane	7.793	97	80579	53.679	ug/l	99
36) 1,1-Dichloropropene	8.005	75	71213	50.550	ug/l	99
37) Ethyl Acetate	7.163	43	31277	55.418	ug/l #	96
38) Carbon Tetrachloride	7.993	117	58288	46.689	ug/l	98
39) Methylcyclohexane	9.269	83	83044	48.735	ug/l	99
40) Benzene	8.252	78	212732	53.856	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	14907	48.662	ug/l #	84
42) 1,2-Dichloroethane	8.328	62	53176	52.712	ug/l	100
43) Isopropyl Acetate	8.358	43	59120	56.778	ug/l	99
44) Trichloroethene	9.028	130	55427	53.371	ug/l	96
45) 1,2-Dichloropropane	9.305	63	55587	55.956	ug/l	99
46) Dibromomethane	9.393	93	28522	55.817	ug/l	92
47) Bromodichloromethane	9.587	83	70423	55.953	ug/l	91
48) Methyl methacrylate	9.381	41	28202	55.969	ug/l	99
49) 1,4-Dioxane	9.381	88	6397	1143.945	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	156953	286.901	ug/l	99
52) Toluene	10.334	92	133915	55.039	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	66787	59.477	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	82110	56.519	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	38168	56.705	ug/l	94
56) Ethyl methacrylate	10.593	69	50475	57.245	ug/l	99
57) 1,3-Dichloropropane	10.875	76	67798	55.731	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	32865	142.877	ug/l	97
59) 2-Hexanone	10.916	43	104323	272.631	ug/l	99
60) Dibromochloromethane	11.069	129	44390	55.072	ug/l	99
61) 1,2-Dibromoethane	11.175	107	33969	52.550	ug/l	95
64) Tetrachloroethene	10.804	164	47059	52.533	ug/l	92
65) Chlorobenzene	11.604	112	144125	52.937	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	50214	53.708	ug/l	98
67) Ethyl Benzene	11.681	91	265459	53.147	ug/l	99
68) m/p-Xylenes	11.787	106	201820	105.483	ug/l	99
69) o-Xylene	12.116	106	97269	55.630	ug/l	100
70) Styrene	12.128	104	162780	54.663	ug/l	98
71) Bromoform	12.293	173	25106	50.041	ug/l #	97
73) Isopropylbenzene	12.416	105	257251	52.948	ug/l	99
74) N-amyl acetate	12.228	43	55049	51.269	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	44103	52.244	ug/l	100
76) 1,2,3-Trichloropropane	12.716	75	30357m	51.939	ug/l	
77) Bromobenzene	12.698	156	55473	52.250	ug/l	100
78) n-propylbenzene	12.757	91	315685	52.379	ug/l	98
79) 2-Chlorotoluene	12.845	91	166149	52.274	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	206227	51.910	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	12130	52.014	ug/l #	100
82) 4-Chlorotoluene	12.940	91	169390	51.391	ug/l	99
83) tert-Butylbenzene	13.157	119	184685	52.423	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	206197	52.756	ug/l	100
85) sec-Butylbenzene	13.340	105	276873	52.961	ug/l	100
86) p-Isopropyltoluene	13.451	119	228712	52.348	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	112399	51.503	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	109696	51.431	ug/l	99
89) n-Butylbenzene	13.781	91	222519	52.000	ug/l	100
90) Hexachloroethane	14.045	117	34705	42.087	ug/l	94
91) 1,2-Dichlorobenzene	13.822	146	95883	52.108	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	6205	49.448	ug/l	90
93) 1,2,4-Trichlorobenzene	15.092	180	64163	51.691	ug/l	99
94) Hexachlorobutadiene	15.192	225	37016	52.490	ug/l	96
95) Naphthalene	15.322	128	121815	52.944	ug/l	100
96) 1,2,3-Trichlorobenzene	15.510	180	56240	52.718	ug/l	99

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

