

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074278.D
 Acq On : 13 Sep 2022 21:06
 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 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

Quant Time: Sep 14 01:59:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	85157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	140767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	127074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	60488	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	49699	57.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.480%			
35) Dibromofluoromethane	7.805	113	52055	55.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.260%			
50) Toluene-d8	10.263	98	195095	56.539	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.080%			
62) 4-Bromofluorobenzene	12.563	95	60614	50.345	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.929	85	33801	50.972	ug/l	97
3) Chloromethane	2.140	50	32355	50.826	ug/l	97
4) Vinyl Chloride	2.276	62	32238	59.449	ug/l	98
5) Bromomethane	2.676	94	17491	61.249	ug/l	98
6) Chloroethane	2.823	64	19886	61.581	ug/l	100
7) Trichlorofluoromethane	3.164	101	76412	50.645	ug/l	96
8) Diethyl Ether	3.587	74	26063	53.542	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	50070	51.579	ug/l	98
10) Methyl Iodide	4.152	142	61047	52.769	ug/l	99
11) Tert butyl alcohol	5.064	59	17142	242.094	ug/l	97
12) 1,1-Dichloroethene	3.928	96	46689	49.824	ug/l	92
13) Acrolein	3.799	56	16348	217.211	ug/l	97
14) Allyl chloride	4.558	41	73284	50.391	ug/l	99
15) Acrylonitrile	5.258	53	64509	284.238	ug/l	100
16) Acetone	4.017	43	43859	244.744	ug/l	98
17) Carbon Disulfide	4.264	76	125584	46.457	ug/l	99
18) Methyl Acetate	4.558	43	30482	50.842	ug/l	98
19) Methyl tert-butyl Ether	5.317	73	120091	52.904	ug/l	96
20) Methylene Chloride	4.799	84	76697	73.081	ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	52987	50.124	ug/l	97
22) Diisopropyl ether	6.217	45	165793	53.721	ug/l	98
23) Vinyl Acetate	6.152	43	405922	278.537	ug/l	99
24) 1,1-Dichloroethane	6.111	63	101091	53.025	ug/l	97
25) 2-Butanone	7.081	43	78212	261.684	ug/l	100
26) 2,2-Dichloropropane	7.069	77	78893	47.366	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	64107	53.074	ug/l	95
28) Bromochloromethane	7.428	49	33991	58.055	ug/l	100
29) Tetrahydrofuran	7.440	42	51276	278.281	ug/l	98
30) Chloroform	7.599	83	102373	54.102	ug/l	88
31) Cyclohexane	7.875	56	83290	46.422	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	86953	52.373	ug/l	99
36) 1,1-Dichloropropene	8.005	75	76471	50.190	ug/l	99
37) Ethyl Acetate	7.169	43	38000	57.513	ug/l	97
38) Carbon Tetrachloride	7.987	117	72483	52.581	ug/l	96
39) Methylcyclohexane	9.269	83	90466	47.965	ug/l	99
40) Benzene	8.246	78	222419	52.748	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	20867	56.701	ug/l	94
42) 1,2-Dichloroethane	8.322	62	60650	54.428	ug/l	97
43) Isopropyl Acetate	8.363	43	67690	53.039	ug/l	98
44) Trichloroethene	9.028	130	59582	50.907	ug/l	90
45) 1,2-Dichloropropane	9.305	63	57311	52.297	ug/l	97
46) Dibromomethane	9.387	93	31084	54.632	ug/l	96
47) Bromodichloromethane	9.581	83	78382	54.756	ug/l	98
48) Methyl methacrylate	9.381	41	32940	54.647	ug/l	99
49) 1,4-Dioxane	9.381	88	7367	1093.382	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	183377	284.288	ug/l	99
52) Toluene	10.328	92	140088	51.797	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	70388	52.164	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	86915	52.280	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	43551	55.371	ug/l	99
56) Ethyl methacrylate	10.593	69	56533	54.096	ug/l	98
57) 1,3-Dichloropropane	10.875	76	75066	54.078	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	39586	203.215	ug/l	100
59) 2-Hexanone	10.916	43	123887	282.832	ug/l	98
60) Dibromochloromethane	11.069	129	52443	54.754	ug/l	100
61) 1,2-Dibromoethane	11.175	107	40845	54.561	ug/l	99
64) Tetrachloroethene	10.805	164	48083	49.489	ug/l	92
65) Chlorobenzene	11.599	112	151145	52.908	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	56820	55.535	ug/l	97
67) Ethyl Benzene	11.675	91	275047	51.543	ug/l	100
68) m/p-Xylenes	11.787	106	211087	104.226	ug/l	100
69) o-Xylene	12.116	106	99645	52.060	ug/l	98
70) Styrene	12.128	104	173761	54.431	ug/l	99
71) Bromoform	12.293	173	31558	55.402	ug/l #	99
73) Isopropylbenzene	12.410	105	268289	52.424	ug/l	99
74) N-amyl acetate	12.222	43	65094	54.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.663	83	53043	56.923	ug/l	99
76) 1,2,3-Trichloropropane	12.710	75	39643m	63.931	ug/l	
77) Bromobenzene	12.693	156	60258	53.655	ug/l	97
78) n-propylbenzene	12.757	91	326641	52.049	ug/l	99
79) 2-Chlorotoluene	12.840	91	178044	52.448	ug/l	99
80) 1,3,5-Trimethylbenzene	12.893	105	222718	52.527	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	12714	50.552	ug/l #	100
82) 4-Chlorotoluene	12.940	91	181015	52.376	ug/l	97
83) tert-Butylbenzene	13.157	119	194769	52.482	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	215546	52.365	ug/l	99
85) sec-Butylbenzene	13.334	105	292946	52.109	ug/l	100
86) p-Isopropyltoluene	13.451	119	240571	52.391	ug/l	99
87) 1,3-Dichlorobenzene	13.446	146	119829	52.317	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	118922	52.798	ug/l	99
89) n-Butylbenzene	13.775	91	229974	51.253	ug/l	99
90) Hexachloroethane	14.040	117	45588	54.272	ug/l	100
91) 1,2-Dichlorobenzene	13.816	146	104757	52.590	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.434	75	7392	56.453	ug/l	99
93) 1,2,4-Trichlorobenzene	15.087	180	68827	49.987	ug/l	98
94) Hexachlorobutadiene	15.187	225	40183	51.069	ug/l	97
95) Naphthalene	15.316	128	139913	54.381	ug/l	99
96) 1,2,3-Trichlorobenzene	15.504	180	60894	51.516	ug/l	100

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

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