

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081522\
 Data File : VD074092.D
 Acq On : 15 Aug 2022 13:32
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 15 15:56:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 15:55:33 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/16/2022
 Supervised By :Mahesh Dadoda 08/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	193971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	299562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	284442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	146935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	191183	147.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 294.160%#			
35) Dibromofluoromethane	7.908	113	247534	129.311	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 258.620%#			
50) Toluene-d8	10.332	98	717774	123.498	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 247.000%#			
62) 4-Bromofluorobenzene	12.620	95	350062	145.856	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 291.720%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	176053	148.112	ug/l	99
3) Chloromethane	2.209	50	221810	146.226	ug/l	100
4) Vinyl Chloride	2.350	62	332130	115.840	ug/l	99
5) Bromomethane	2.744	94	287812	125.800	ug/l	97
6) Chloroethane	2.909	64	271728	147.853	ug/l	99
7) Trichlorofluoromethane	3.267	101	410886	149.312	ug/l	93
8) Diethyl Ether	3.709	74	108121	127.084	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.085	101	243347	148.571	ug/l	96
10) Methyl Iodide	4.297	142	262543	138.288	ug/l	99
11) Tert butyl alcohol	5.220	59	76608	754.907	ug/l	99
12) 1,1-Dichloroethene	4.061	96	212968	149.714	ug/l	88
13) Acrolein	3.920	56	64369	742.633	ug/l	99
14) Allyl chloride	4.708	41	298568	132.434	ug/l #	91
15) Acrylonitrile	5.414	53	240618	708.056	ug/l	97
16) Acetone	4.156	43	219744	757.231	ug/l #	87
17) Carbon Disulfide	4.403	76	500972	149.411	ug/l	97
18) Methyl Acetate	4.714	43	109254	148.991	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	574231	148.612	ug/l	96
20) Methylene Chloride	4.956	84	251989	88.519	ug/l #	80
21) trans-1,2-Dichloroethene	5.467	96	256537	131.992	ug/l	83
22) Diisopropyl ether	6.355	45	691242	141.639	ug/l #	91
23) Vinyl Acetate	6.297	43	1932744	820.855	ug/l #	90
24) 1,1-Dichloroethane	6.255	63	438689	130.030	ug/l	98
25) 2-Butanone	7.202	43	320675	646.797	ug/l #	85
26) 2,2-Dichloropropane	7.202	77	448407	128.198	ug/l	96
27) cis-1,2-Dichloroethene	7.202	96	308607	134.713	ug/l	86
28) Bromochloromethane	7.538	49	161549	128.300	ug/l #	68
29) Tetrahydrofuran	7.555	42	191904	708.290	ug/l #	81
30) Chloroform	7.702	83	516948	131.080	ug/l	100
31) Cyclohexane	7.979	56	336572	148.679	ug/l #	81
32) 1,1,1-Trichloroethane	7.897	97	488393	131.341	ug/l	95
36) 1,1-Dichloropropene	8.102	75	360633	138.142	ug/l	94
37) Ethyl Acetate	7.285	43	142217	137.370	ug/l #	96
38) Carbon Tetrachloride	8.091	117	432328	143.494	ug/l	99
39) Methylcyclohexane	9.349	83	415578	144.385	ug/l	92
40) Benzene	8.344	78	1029692	139.581	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	83167	158.971	ug/l #	90
42) 1,2-Dichloroethane	8.414	62	297071	133.304	ug/l	96
43) Isopropyl Acetate	8.444	43	283385	149.144	ug/l #	91
44) Trichloroethene	9.102	130	298932	138.390	ug/l	94
45) 1,2-Dichloropropane	9.379	63	249692	139.728	ug/l	94
46) Dibromomethane	9.467	93	158989	140.361	ug/l	95
47) Bromodichloromethane	9.649	83	404772	139.003	ug/l	99
48) Methyl methacrylate	9.449	41	131066	150.874	ug/l #	77
49) 1,4-Dioxane	9.455	88	34231	3106.392	ug/l #	86
51) 4-Methyl-2-Pentanone	10.220	43	740469	761.190	ug/l	91
52) Toluene	10.396	92	728018	150.927	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	378796	152.618	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	430329	149.940	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	218503	144.946	ug/l	99
56) Ethyl methacrylate	10.649	69	254174	165.818	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	343580	143.789	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	486731	827.153	ug/l #	88
59) 2-Hexanone	10.973	43	517396	777.779	ug/l	91
60) Dibromochloromethane	11.126	129	297645	146.026	ug/l	99
61) 1,2-Dibromoethane	11.238	107	212887	145.418	ug/l	98
64) Tetrachloroethene	10.867	164	253654	140.948	ug/l	99
65) Chlorobenzene	11.655	112	796247	143.095	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	313958	143.554	ug/l	99
67) Ethyl Benzene	11.732	91	1442606	151.435	ug/l	95
68) m/p-Xylenes	11.843	106	1166047	304.881	ug/l	94
69) o-Xylene	12.167	106	551261	158.187	ug/l	91
70) Styrene	12.179	104	958440	157.745	ug/l	95
71) Bromoform	12.343	173	179633	156.770	ug/l #	99
73) Isopropylbenzene	12.467	105	1501602	162.584	ug/l	97
74) N-amyl acetate	12.273	43	279841	157.808	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.714	83	247033	146.174	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	159052m	144.832	ug/l	
77) Bromobenzene	12.743	156	346244	155.254	ug/l	81
78) n-propylbenzene	12.808	91	1782953	155.880	ug/l	95
79) 2-Chlorotoluene	12.896	91	992017	152.672	ug/l	94
80) 1,3,5-Trimethylbenzene	12.943	105	1255171	159.212	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	75359	160.518	ug/l	84
82) 4-Chlorotoluene	12.990	91	1038459	150.850	ug/l	94
83) tert-Butylbenzene	13.208	119	1119658	160.461	ug/l	95
84) 1,2,4-Trimethylbenzene	13.249	105	1250134	154.282	ug/l	97
85) sec-Butylbenzene	13.384	105	1663071	155.138	ug/l	97
86) p-Isopropyltoluene	13.496	119	1429068	159.837	ug/l	98
87) 1,3-Dichlorobenzene	13.496	146	714949	146.759	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	693732	142.150	ug/l	98
89) n-Butylbenzene	13.826	91	1297289	151.455	ug/l	97
90) Hexachloroethane	14.090	117	265404	141.683	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	619389	142.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	39864	136.561	ug/l	77
93) 1,2,4-Trichlorobenzene	15.137	180	392094	140.411	ug/l	99
94) Hexachlorobutadiene	15.243	225	212532	127.035	ug/l	100
95) Naphthalene	15.373	128	736069	134.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	345862	140.089	ug/l	97

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

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