

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110521\
 Data File : VD070929.D
 Acq On : 05 Nov 2021 16:54
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/08/2021
 Supervised By :Mahesh Dadoda 11/10/2021

Quant Time: Nov 06 23:29:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 06 23:24:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	456271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	793152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	707960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	306944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	846643	178.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 356.060%#			
35) Dibromofluoromethane	7.909	113	742570	144.355	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 288.700%#			
50) Toluene-d8	10.332	98	2825945	146.116	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 292.240%#			
62) 4-Bromofluorobenzene	12.620	95	1056874	162.212	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 324.420%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	719621	165.496	ug/l	95
3) Chloromethane	2.209	50	731005	126.923	ug/l	99
4) Vinyl Chloride	2.350	62	729544	115.774	ug/l	99
5) Bromomethane	2.744	94	435389	97.496	ug/l	100
6) Chloroethane	2.909	64	452357	115.892	ug/l	94
7) Trichlorofluoromethane	3.268	101	1344913	162.117	ug/l	97
8) Diethyl Ether	3.709	74	388910	170.005	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	769379	145.884	ug/l	97
10) Methyl Iodide	4.297	142	911273	197.347	ug/l	97
11) Tert butyl alcohol	5.220	59	268104	1004.259	ug/l	99
12) 1,1-Dichloroethene	4.062	96	743942	161.430	ug/l	82
13) Acrolein	3.920	56	78933	393.245	ug/l	99
14) Allyl chloride	4.709	41	1595867	209.483	ug/l #	82
15) Acrylonitrile	5.415	53	884183	809.354	ug/l	96
16) Acetone	4.156	43	1205184	1089.411	ug/l	89
17) Carbon Disulfide	4.403	76	2424352	150.718	ug/l	99
18) Methyl Acetate	4.715	43	675699	178.591	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	1933778	194.651	ug/l	99
20) Methylene Chloride	4.962	84	836152	114.677	ug/l #	87
21) trans-1,2-Dichloroethene	5.467	96	834198	154.025	ug/l	86
22) Diisopropyl ether	6.362	45	2901319	189.301	ug/l	95
23) Vinyl Acetate	6.303	43	7255911	1024.939	ug/l	97
24) 1,1-Dichloroethane	6.262	63	1643812	161.999	ug/l	99
25) 2-Butanone	7.209	43	1320189	971.638	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	1534114	184.623	ug/l	94
27) cis-1,2-Dichloroethene	7.209	96	936501	160.190	ug/l	89
28) Bromochloromethane	7.544	49	640416	161.545	ug/l	90
29) Tetrahydrofuran	7.556	42	766701	933.031	ug/l	93
30) Chloroform	7.709	83	1596700	157.332	ug/l	100
31) Cyclohexane	7.979	56	1567666	164.540	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	1472230	167.982	ug/l	95
36) 1,1-Dichloropropene	8.108	75	1262371	154.182	ug/l	98
37) Ethyl Acetate	7.285	43	533994	170.794	ug/l	95
38) Carbon Tetrachloride	8.091	117	1264182	153.025	ug/l	99
39) Methylcyclohexane	9.350	83	1576735	165.157	ug/l	97
40) Benzene	8.344	78	3332614	142.132	ug/l	100

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41) Methacrylonitrile	7.514	41	343516	198.736	ug/l	# 74
42) 1,2-Dichloroethane	8.420	62	1066089	170.581	ug/l	94
43) Isopropyl Acetate	8.444	43	1146137	192.293	ug/l	90
44) Trichloroethene	9.108	130	898090	145.819	ug/l	91
45) 1,2-Dichloropropane	9.379	63	885969	141.905	ug/l	99
46) Dibromomethane	9.467	93	444729	144.806	ug/l	94
47) Bromodichloromethane	9.655	83	1236119	154.011	ug/l	98
48) Methyl methacrylate	9.450	41	577892	201.869	ug/l	# 82
49) 1,4-Dioxane	9.455	88	97315	2942.484	ug/l	87
51) 4-Methyl-2-Pentanone	10.220	43	2674215	874.016	ug/l	92
52) Toluene	10.397	92	2120431	149.805	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	1212688	170.632	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	1418672	162.822	ug/l	# 79
55) 1,1,2-Trichloroethane	10.791	97	585804	135.627	ug/l	94
56) Ethyl methacrylate	10.655	69	849728	173.006	ug/l	# 77
57) 1,3-Dichloropropane	10.938	76	1075401	146.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	1974070	906.675	ug/l	99
59) 2-Hexanone	10.973	43	2039209	936.004	ug/l	90
60) Dibromochloromethane	11.132	129	743091	142.328	ug/l	99
61) 1,2-Dibromoethane	11.238	107	581277	144.690	ug/l	99
64) Tetrachloroethene	10.867	164	721625	150.841	ug/l	94
65) Chlorobenzene	11.661	112	2179670	151.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	787876	148.393	ug/l	99
67) Ethyl Benzene	11.738	91	4087737	162.560	ug/l	99
68) m/p-Xylenes	11.844	106	3039534	314.293	ug/l	95
69) o-Xylene	12.173	106	1460848	164.760	ug/l	96
70) Styrene	12.185	104	2440186	160.573	ug/l	95
71) Bromoform	12.349	173	407541	146.092	ug/l	# 99
73) Isopropylbenzene	12.467	105	3871570	185.199	ug/l	100
74) N-amyl acetate	12.279	43	1057471	217.224	ug/l	# 89
75) 1,1,2,2-Tetrachloroethane	12.720	83	624572	150.375	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	507660m	166.460	ug/l	
77) Bromobenzene	12.749	156	818997	164.126	ug/l	91
78) n-propylbenzene	12.808	91	4685348	176.180	ug/l	99
79) 2-Chlorotoluene	12.896	91	2762384	178.741	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	3183077	180.755	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	212472	180.557	ug/l	# 81
82) 4-Chlorotoluene	12.991	91	2808484	175.083	ug/l	98
83) tert-Butylbenzene	13.208	119	2761365	186.054	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	3078443	177.835	ug/l	98
85) sec-Butylbenzene	13.391	105	4021634	173.881	ug/l	98
86) p-Isopropyltoluene	13.502	119	3274578	175.963	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	1550526	151.773	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	1565145	153.998	ug/l	98
89) n-Butylbenzene	13.826	91	3256717	177.243	ug/l	99
90) Hexachloroethane	14.096	117	677792	162.938	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	1370136	156.727	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	115297	183.117	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	891833	172.720	ug/l	98
94) Hexachlorobutadiene	15.249	225	473972	143.466	ug/l	99
95) Naphthalene	15.385	128	1688407	190.524	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	757145	170.786	ug/l	97

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

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