

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061223\
 Data File : VD076393.D
 Acq On : 12 Jun 2023 14:48
 Operator : KP/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/13/2023
 Supervised By :Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 01:47:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 01:45:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	314603	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	526152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	473155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	221976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	494300	136.029	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 272.060%#			
35) Dibromofluoromethane	7.799	113	481211	141.508	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 283.020%#			
50) Toluene-d8	10.269	98	1825844	141.683	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 283.360%#			
62) 4-Bromofluorobenzene	12.575	95	613975	138.879	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 277.760%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	411216	146.345	ug/l	95
3) Chloromethane	2.146	50	722458	135.785	ug/l	98
4) Vinyl Chloride	2.275	62	749146	147.146	ug/l	99
5) Bromomethane	2.658	94	374505	140.382	ug/l	98
6) Chloroethane	2.817	64	429217	139.998	ug/l	99
7) Trichlorofluoromethane	3.158	101	764579	149.238	ug/l	99
8) Diethyl Ether	3.587	74	255094	138.596	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.952	101	458141	148.729	ug/l	98
10) Methyl Iodide	4.152	142	596696	150.638	ug/l	91
11) Tert butyl alcohol	5.058	59	220585	726.160	ug/l	99
12) 1,1-Dichloroethene	3.928	96	455248	144.914	ug/l	# 77
13) Acrolein	3.793	56	232332	666.778	ug/l	98
14) Allyl chloride	4.552	41	863606	140.565	ug/l	# 85
15) Acrylonitrile	5.252	53	703616	751.341	ug/l	100
16) Acetone	4.022	43	562053	703.601	ug/l	# 78
17) Carbon Disulfide	4.258	76	1345283	149.044	ug/l	100
18) Methyl Acetate	4.558	43	548488	150.601	ug/l	# 80
19) Methyl tert-butyl Ether	5.316	73	1241165	142.389	ug/l	95
20) Methylene Chloride	4.793	84	533249	149.537	ug/l	# 73
21) trans-1,2-Dichloroethene	5.305	96	521457	142.837	ug/l	# 79
22) Diisopropyl ether	6.210	45	1750462	139.959	ug/l	# 90
23) Vinyl Acetate	6.152	43	4053103m	754.529	ug/l	
24) 1,1-Dichloroethane	6.105	63	978667	140.777	ug/l	96
25) 2-Butanone	7.075	43	928393	743.081	ug/l	# 78
26) 2,2-Dichloropropane	7.069	77	867815	138.642	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	616001	141.742	ug/l	84
28) Bromochloromethane	7.422	49	267773	147.499	ug/l	# 69
29) Tetrahydrofuran	7.440	42	608031	762.810	ug/l	# 75
30) Chloroform	7.593	83	964825	139.250	ug/l	98
31) Cyclohexane	7.869	56	825685	142.014	ug/l	# 80
32) 1,1,1-Trichloroethane	7.787	97	857075	144.840	ug/l	98
36) 1,1-Dichloropropene	8.005	75	742177	149.527	ug/l	96
37) Ethyl Acetate	7.163	43	415039	158.976	ug/l	# 90
38) Carbon Tetrachloride	7.987	117	714961	155.145	ug/l	99
39) Methylcyclohexane	9.269	83	895568	156.701	ug/l	# 86
40) Benzene	8.246	78	2130043	147.615	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	232734	139.350	ug/l #	78
42) 1,2-Dichloroethane	8.322	62	620829	144.482	ug/l	92
43) Isopropyl Acetate	8.357	43	829743	151.589	ug/l #	82
44) Trichloroethene	9.022	130	576581	147.401	ug/l	90
45) 1,2-Dichloropropane	9.304	63	559782	145.961	ug/l	99
46) Dibromomethane	9.393	93	311620	147.233	ug/l	94
47) Bromodichloromethane	9.581	83	755206	144.042	ug/l	99
48) Methyl methacrylate	9.381	41	400643	152.715	ug/l #	68
49) 1,4-Dioxane	9.387	88	81009	3225.952	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	2137460	786.222	ug/l #	83
52) Toluene	10.334	92	1360137	149.105	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	791522	147.604	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	909482	147.478	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	415143	146.849	ug/l	95
56) Ethyl methacrylate	10.599	69	598901	152.547	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	722946	147.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	1201535	751.343	ug/l	91
59) 2-Hexanone	10.922	43	1479309	776.271	ug/l	80
60) Dibromochloromethane	11.075	129	519042	148.388	ug/l	96
61) 1,2-Dibromoethane	11.181	107	410416	149.639	ug/l	99
64) Tetrachloroethene	10.810	164	468750	144.306	ug/l	92
65) Chlorobenzene	11.604	112	1418607	144.644	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	534742	145.817	ug/l	97
67) Ethyl Benzene	11.681	91	2671971	147.918	ug/l	95
68) m/p-Xylenes	11.793	106	2034636	297.689	ug/l	87
69) o-Xylene	12.122	106	971542	147.975	ug/l	87
70) Styrene	12.134	104	1665819	148.711	ug/l #	94
71) Bromoform	12.298	173	325893	152.360	ug/l #	98
73) Isopropylbenzene	12.422	105	2526368	150.493	ug/l	96
74) N-amyl acetate	12.234	43	783932	153.128	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.675	83	496480	149.766	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	363462m	169.537	ug/l	
77) Bromobenzene	12.704	156	578854	146.147	ug/l	82
78) n-propylbenzene	12.763	91	3056744	149.385	ug/l	96
79) 2-Chlorotoluene	12.851	91	1713542	147.985	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	2076781	148.215	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	178175	153.725	ug/l	90
82) 4-Chlorotoluene	12.945	91	1795268	148.055	ug/l	92
83) tert-Butylbenzene	13.169	119	1800971	149.778	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	2066516	149.272	ug/l	95
85) sec-Butylbenzene	13.345	105	2683266	151.615	ug/l	97
86) p-Isopropyltoluene	13.463	119	2260188	151.668	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	1132087	147.689	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	1109072	146.405	ug/l	97
89) n-Butylbenzene	13.787	91	2174592	151.879	ug/l	98
90) Hexachloroethane	14.051	117	422607	153.672	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	988520	146.633	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	82211	150.966	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	661017	146.503	ug/l	97
94) Hexachlorobutadiene	15.204	225	336733	148.344	ug/l	99
95) Naphthalene	15.334	128	1396953	154.183	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	573412	147.147	ug/l	98

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

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