

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071423\
 Data File : VD076740.D
 Acq On : 14 Jul 2023 14:17
 Operator : KP/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 17 07:43:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 07:40:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	212434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	382966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	354747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	172295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	286230	135.275	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 270.560%#			
35) Dibromofluoromethane	7.799	113	327652	136.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 272.300%#			
50) Toluene-d8	10.269	98	1197621	139.108	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 278.220%#			
62) 4-Bromofluorobenzene	12.575	95	397686	142.790	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 285.580%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	244073	146.925	ug/l	97
3) Chloromethane	2.146	50	373869	130.466	ug/l	99
4) Vinyl Chloride	2.276	62	536743	140.509	ug/l	100
5) Bromomethane	2.658	94	451607	143.688	ug/l	99
6) Chloroethane	2.817	64	401075	139.062	ug/l	100
7) Trichlorofluoromethane	3.164	101	505874	148.828	ug/l	97
8) Diethyl Ether	3.587	74	167402	143.044	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.952	101	327545	146.598	ug/l	96
10) Methyl Iodide	4.152	142	389376	154.597	ug/l	93
11) Tert butyl alcohol	5.058	59	112118	710.094	ug/l	99
12) 1,1-Dichloroethene	3.928	96	305000	145.295	ug/l	87
13) Acrolein	3.793	56	69876	649.419	ug/l	98
14) Allyl chloride	4.552	41	387147	140.393	ug/l	93
15) Acrylonitrile	5.252	53	400388	696.590	ug/l	99
16) Acetone	4.017	43	331237	655.494	ug/l	89
17) Carbon Disulfide	4.258	76	709519	144.715	ug/l	99
18) Methyl Acetate	4.558	43	265535	139.861	ug/l	94
19) Methyl tert-butyl Ether	5.317	73	818466	145.393	ug/l	97
20) Methylene Chloride	4.793	84	382164	146.986	ug/l #	88
21) trans-1,2-Dichloroethene	5.305	96	350481	143.636	ug/l	95
22) Diisopropyl ether	6.211	45	915890	140.259	ug/l	96
23) Vinyl Acetate	6.152	43	2308014	714.351	ug/l	96
24) 1,1-Dichloroethane	6.111	63	616972	140.134	ug/l	98
25) 2-Butanone	7.075	43	468314	692.464	ug/l	92
26) 2,2-Dichloropropane	7.069	77	553371	145.806	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	430034	142.962	ug/l	97
28) Bromochloromethane	7.422	49	137684	125.084	ug/l	88
29) Tetrahydrofuran	7.446	42	278442	696.831	ug/l	94
30) Chloroform	7.593	83	666236	138.160	ug/l	100
31) Cyclohexane	7.869	56	430475	138.240	ug/l	91
32) 1,1,1-Trichloroethane	7.787	97	571421	146.870	ug/l	98
36) 1,1-Dichloropropene	8.005	75	466585	148.370	ug/l	98
37) Ethyl Acetate	7.169	43	199008	141.505	ug/l	95
38) Carbon Tetrachloride	7.987	117	467522	155.263	ug/l	95
39) Methylcyclohexane	9.269	83	565621	155.770	ug/l	97
40) Benzene	8.246	78	1442939	145.422	ug/l	100

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41) Methacrylonitrile	7.393	41	117365	136.660	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	368333	142.867	ug/l	98
43) Isopropyl Acetate	8.358	43	393401	143.333	ug/l	92
44) Trichloroethene	9.028	130	387654	143.370	ug/l	93
45) 1,2-Dichloropropane	9.305	63	361570	141.165	ug/l	97
46) Dibromomethane	9.393	93	215225	143.555	ug/l	92
47) Bromodichloromethane	9.581	83	531607	141.297	ug/l	98
48) Methyl methacrylate	9.381	41	173247	138.687	ug/l	88
49) 1,4-Dioxane	9.381	88	54978	2862.152	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	1041204	712.497	ug/l	95
52) Toluene	10.334	92	966521	148.310	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	520329	149.001	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	604647	146.914	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	309832	141.521	ug/l	95
56) Ethyl methacrylate	10.599	69	375269	148.511	ug/l	93
57) 1,3-Dichloropropane	10.881	76	507703	142.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	699479	715.140	ug/l	99
59) 2-Hexanone	10.922	43	737658	707.429	ug/l	94
60) Dibromochloromethane	11.075	129	373437	146.831	ug/l	97
61) 1,2-Dibromoethane	11.181	107	287127	141.460	ug/l	100
64) Tetrachloroethene	10.810	164	301744	149.169	ug/l	92
65) Chlorobenzene	11.604	112	1055085	147.881	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	399085	150.242	ug/l	97
67) Ethyl Benzene	11.681	91	1935733	154.488	ug/l	96
68) m/p-Xylenes	11.793	106	1501344	311.985	ug/l	93
69) o-Xylene	12.122	106	721049	154.947	ug/l	91
70) Styrene	12.134	104	1266751	155.501	ug/l	98
71) Bromoform	12.299	173	218230	150.006	ug/l #	100
73) Isopropylbenzene	12.422	105	1890490	151.235	ug/l	96
74) N-amyl acetate	12.234	43	373508	141.832	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	367123	136.786	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	236969m	138.407	ug/l	
77) Bromobenzene	12.698	156	417793	144.796	ug/l	88
78) n-propylbenzene	12.763	91	2286180	150.859	ug/l	96
79) 2-Chlorotoluene	12.851	91	1222268	147.097	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	1549307	153.280	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	111242	144.492	ug/l	99
82) 4-Chlorotoluene	12.946	91	1289917	148.599	ug/l	95
83) tert-Butylbenzene	13.163	119	1385565	155.686	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	1579912	152.959	ug/l	96
85) sec-Butylbenzene	13.345	105	2096414	154.179	ug/l	96
86) p-Isopropyltoluene	13.457	119	1783540	158.827	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	894449	150.714	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	851544	146.451	ug/l	98
89) n-Butylbenzene	13.787	91	1681774	153.048	ug/l	99
90) Hexachloroethane	14.051	117	320425	154.342	ug/l	87
91) 1,2-Dichlorobenzene	13.828	146	766488	146.570	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	49457	129.239	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	468870	146.860	ug/l	98
94) Hexachlorobutadiene	15.204	225	226689	147.635	ug/l	100
95) Naphthalene	15.328	128	1039946	150.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	417343	145.668	ug/l	99

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

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