

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101723\
 Data File : VD077344.D
 Acq On : 17 Oct 2023 16:55
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 18 02:46:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 02:44:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/20/2023
 Supervised By : Mahesh Dadoda 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	224166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	341646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	327254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	177676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	183525	91.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 183.380%#			
35) Dibromofluoromethane	7.805	113	230226	95.919	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 191.840%#			
50) Toluene-d8	10.269	98	878027	102.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 204.280%#			
62) 4-Bromofluorobenzene	12.575	95	257756	104.169	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 208.340%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	211075	101.282	ug/l	96
3) Chloromethane	2.152	50	399708	94.184	ug/l	99
4) Vinyl Chloride	2.287	62	488574	97.461	ug/l	99
5) Bromomethane	2.687	94	309701	96.136	ug/l	98
6) Chloroethane	2.834	64	331369	94.029	ug/l	100
7) Trichlorofluoromethane	3.175	101	494153	97.170	ug/l	100
8) Diethyl Ether	3.593	74	160226	117.553	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.970	101	293020	111.372	ug/l	98
10) Methyl Iodide	4.164	142	314497	97.691	ug/l	95
11) Tert butyl alcohol	5.058	59	50419	447.767	ug/l	98
12) 1,1-Dichloroethene	3.940	96	297502	115.265	ug/l	90
13) Acrolein	3.799	56	109511	560.259	ug/l	99
14) Allyl chloride	4.564	41	227143	92.752	ug/l	98
15) Acrylonitrile	5.258	53	213483	516.848	ug/l	98
16) Acetone	4.022	43	251000	571.830	ug/l	94
17) Carbon Disulfide	4.275	76	671628	88.519	ug/l	98
18) Methyl Acetate	4.564	43	135793	88.889	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	468763	106.630	ug/l	98
20) Methylene Chloride	4.805	84	257141	101.728	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	268364	99.969	ug/l	92
22) Diisopropyl ether	6.216	45	514580	107.041	ug/l	96
23) Vinyl Acetate	6.158	43	1260892	559.682	ug/l	98
24) 1,1-Dichloroethane	6.111	63	384626	96.229	ug/l	98
25) 2-Butanone	7.081	43	233512	512.843	ug/l	96
26) 2,2-Dichloropropane	7.075	77	354215	97.193	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	304750	101.245	ug/l	95
28) Bromochloromethane	7.428	49	137362	94.080	ug/l	88
29) Tetrahydrofuran	7.446	42	142073	540.908	ug/l	98
30) Chloroform	7.599	83	434373	94.719	ug/l	98
31) Cyclohexane	7.881	56	299331	96.115	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	386512	97.694	ug/l	96
36) 1,1-Dichloropropene	8.010	75	326587	103.553	ug/l	98
37) Ethyl Acetate	7.169	43	103781	104.758	ug/l	99
38) Carbon Tetrachloride	7.993	117	361870	103.143	ug/l	98
39) Methylcyclohexane	9.275	83	418451	109.194	ug/l	94
40) Benzene	8.252	78	985534	102.972	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	44820	94.798	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	228230	101.239	ug/l	100
43) Isopropyl Acetate	8.363	43	192905	108.163	ug/l	99
44) Trichloroethene	9.028	130	286034	102.220	ug/l	98
45) 1,2-Dichloropropane	9.305	63	223857	101.465	ug/l	99
46) Dibromomethane	9.399	93	141825	102.824	ug/l	98
47) Bromodichloromethane	9.587	83	332961	101.236	ug/l	99
48) Methyl methacrylate	9.381	41	89663	111.132	ug/l	93
49) 1,4-Dioxane	9.381	88	28610	2070.557	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	503844	563.572	ug/l	99
52) Toluene	10.334	92	666815	106.707	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	319722	108.299	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	383794	106.252	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	194621	101.875	ug/l	96
56) Ethyl methacrylate	10.599	69	213227	116.790	ug/l	98
57) 1,3-Dichloropropane	10.881	76	307247	104.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	506949	561.486	ug/l	95
59) 2-Hexanone	10.922	43	361542	563.063	ug/l	100
60) Dibromochloromethane	11.075	129	249076	102.108	ug/l	96
61) 1,2-Dibromoethane	11.181	107	185155	102.854	ug/l	99
64) Tetrachloroethene	10.810	164	254637	104.686	ug/l	98
65) Chlorobenzene	11.610	112	729352	102.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	280697	103.520	ug/l	97
67) Ethyl Benzene	11.687	91	1298500	109.814	ug/l	98
68) m/p-Xylenes	11.793	106	1067057	219.758	ug/l	98
69) o-Xylene	12.122	106	498831	111.598	ug/l	99
70) Styrene	12.134	104	855957	112.238	ug/l	100
71) Bromoform	12.298	173	159731	107.461	ug/l #	98
73) Isopropylbenzene	12.422	105	1272363	108.265	ug/l	98
74) N-amyl acetate	12.234	43	181359	107.271	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	209547	98.121	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	163518m	78.963	ug/l	
77) Bromobenzene	12.704	156	325375	105.457	ug/l	93
78) n-propylbenzene	12.763	91	1499539	105.948	ug/l	100
79) 2-Chlorotoluene	12.851	91	793117	102.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	1057290	109.019	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	70172	105.827	ug/l	94
82) 4-Chlorotoluene	12.945	91	825249	102.820	ug/l	98
83) tert-Butylbenzene	13.169	119	941172	109.461	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	1085800	111.200	ug/l	98
85) sec-Butylbenzene	13.345	105	1385139	107.054	ug/l	99
86) p-Isopropyltoluene	13.463	119	1240840	110.391	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	673756	103.764	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	644454	100.157	ug/l	99
89) n-Butylbenzene	13.787	91	1067366	109.052	ug/l	99
90) Hexachloroethane	14.057	117	226056	99.492	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	558146	101.759	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	28643	109.578	ug/l	82
93) 1,2,4-Trichlorobenzene	15.104	180	375270	109.809	ug/l	98
94) Hexachlorobutadiene	15.204	225	202688	104.431	ug/l	99
95) Naphthalene	15.334	128	659575	114.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	324181	109.289	ug/l	99

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

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