

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077291.D
 Acq On : 06 Oct 2023 17:09
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 09 09:39:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 09 09:30:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/09/2023
 Supervised By :Semsettin Yesilyurt 10/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	193884	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	331489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	162450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	262961	107.393	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 214.780%#			
35) Dibromofluoromethane	7.805	113	299780	104.805	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 209.620%#			
50) Toluene-d8	10.269	98	1139225	110.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 221.100%#			
62) 4-Bromofluorobenzene	12.575	95	349458	106.641	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 213.280%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	229850	88.406	ug/l	97
3) Chloromethane	2.146	50	367297	89.061	ug/l	98
4) Vinyl Chloride	2.281	62	418502	83.918	ug/l	99
5) Bromomethane	2.675	94	324140	90.639	ug/l	99
6) Chloroethane	2.828	64	303454	94.559	ug/l	99
7) Trichlorofluoromethane	3.170	101	478782	91.960	ug/l	97
8) Diethyl Ether	3.587	74	155775	99.751	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.964	101	297055	92.881	ug/l	96
10) Methyl Iodide	4.158	142	412675	102.813	ug/l	# 90
11) Tert butyl alcohol	5.058	59	83496	468.348	ug/l	99
12) 1,1-Dichloroethene	3.934	96	301731	96.693	ug/l	90
13) Acrolein	3.793	56	156375	489.169	ug/l	100
14) Allyl chloride	4.558	41	414310	99.895	ug/l	91
15) Acrylonitrile	5.252	53	365439	504.136	ug/l	100
16) Acetone	4.017	43	298707	448.385	ug/l	89
17) Carbon Disulfide	4.269	76	966945	92.977	ug/l	98
18) Methyl Acetate	4.558	43	259108	98.275	ug/l	89
19) Methyl tert-butyl Ether	5.316	73	702357	104.299	ug/l	97
20) Methylene Chloride	4.799	84	381905	98.592	ug/l	90
21) trans-1,2-Dichloroethene	5.311	96	354303	95.118	ug/l	91
22) Diisopropyl ether	6.216	45	935121	103.889	ug/l	96
23) Vinyl Acetate	6.152	43	1990299m	535.607	ug/l	
24) 1,1-Dichloroethane	6.105	63	601717	96.291	ug/l	96
25) 2-Butanone	7.081	43	437423	485.075	ug/l	88
26) 2,2-Dichloropropane	7.075	77	494211	93.674	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	405622	98.892	ug/l	93
28) Bromochloromethane	7.428	49	250331	102.599	ug/l	# 77
29) Tetrahydrofuran	7.446	42	272027	526.007	ug/l	# 86
30) Chloroform	7.599	83	614473	94.869	ug/l	98
31) Cyclohexane	7.875	56	490248	96.686	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	511719	93.933	ug/l	99
36) 1,1-Dichloropropene	8.005	75	468019	97.083	ug/l	97
37) Ethyl Acetate	7.169	43	193025	99.735	ug/l	93
38) Carbon Tetrachloride	7.993	117	428031	95.301	ug/l	98
39) Methylcyclohexane	9.275	83	571840	102.133	ug/l	97
40) Benzene	8.252	78	1421430	97.244	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	106036	97.779	ug/l	90
42) 1,2-Dichloroethane	8.322	62	330895	95.182	ug/l	97
43) Isopropyl Acetate	8.357	43	354049	99.607	ug/l #	91
44) Trichloroethene	9.028	130	343548	92.583	ug/l	86
45) 1,2-Dichloropropane	9.305	63	355565	97.272	ug/l	99
46) Dibromomethane	9.393	93	190380	96.413	ug/l	90
47) Bromodichloromethane	9.587	83	451733	94.875	ug/l	98
48) Methyl methacrylate	9.381	41	165282	101.654	ug/l	83
49) 1,4-Dioxane	9.381	88	41643	2006.812	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	937204	506.383	ug/l	92
52) Toluene	10.334	92	892839	98.368	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	457112	101.448	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	550369	99.678	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	261612	96.701	ug/l	96
56) Ethyl methacrylate	10.599	69	327233	107.683	ug/l	91
57) 1,3-Dichloropropane	10.881	76	448201	99.681	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	745817	511.700	ug/l	94
59) 2-Hexanone	10.922	43	671494	506.938	ug/l	91
60) Dibromochloromethane	11.075	129	300079	95.506	ug/l	96
61) 1,2-Dibromoethane	11.181	107	243686	96.880	ug/l	99
64) Tetrachloroethene	10.810	164	285626	94.247	ug/l	92
65) Chlorobenzene	11.604	112	906523	95.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	323854	96.073	ug/l	97
67) Ethyl Benzene	11.681	91	1725382	100.717	ug/l	96
68) m/p-Xylenes	11.793	106	1331107	200.203	ug/l	91
69) o-Xylene	12.122	106	628761	102.717	ug/l	91
70) Styrene	12.134	104	1072197	101.816	ug/l	97
71) Bromoform	12.298	173	173524	97.343	ug/l #	97
73) Isopropylbenzene	12.422	105	1604778	102.073	ug/l	95
74) N-amyl acetate	12.234	43	344209	106.548	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	301450	96.260	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	201453m	94.072	ug/l	
77) Bromobenzene	12.698	156	347930	97.171	ug/l	83
78) n-propylbenzene	12.763	91	1982684	100.989	ug/l	95
79) 2-Chlorotoluene	12.851	91	1061937	100.414	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	1299845	100.392	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	98286	98.231	ug/l	98
82) 4-Chlorotoluene	12.945	91	1100085	98.296	ug/l	93
83) tert-Butylbenzene	13.169	119	1124860	102.213	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	1326803	102.008	ug/l	95
85) sec-Butylbenzene	13.345	105	1706506	100.467	ug/l	95
86) p-Isopropyltoluene	13.457	119	1421329	101.250	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	722103	96.301	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	697037	94.301	ug/l	98
89) n-Butylbenzene	13.787	91	1390798	102.013	ug/l	97
90) Hexachloroethane	14.051	117	266236	95.617	ug/l	87
91) 1,2-Dichlorobenzene	13.834	146	621189	96.633	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	40021	96.902	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	395793	100.857	ug/l	97
94) Hexachlorobutadiene	15.204	225	195618	96.996	ug/l	99
95) Naphthalene	15.334	128	810160	105.535	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	346337	100.890	ug/l	98

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

