

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038255.D
 Acq On : 12 Oct 2023 14:38
 Operator : JC/MD
 Sample : 04699-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Oct 13 06:41:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 06:37:36 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/13/2023
 Supervised By :Mahesh Dadoda 10/13/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	113647	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	193792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94305	51.591	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.385	113	72506	51.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	8.647	98	278488	52.191	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.380%			
62) 4-Bromofluorobenzene	11.079	95	103189	51.010	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3120	2.844	ug/l	99
3) Chloromethane	1.301	50	3447	3.083	ug/l	96
4) Vinyl Chloride	1.374	62	4012	3.236	ug/l	# 84
5) Bromomethane	1.605	94	4451	2.630	ug/l	92
6) Chloroethane	1.685	64	3307	3.008	ug/l	97
7) Trichlorofluoromethane	1.886	101	8044	3.285	ug/l	97
8) Diethyl Ether	2.136	74	2953	3.234	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	3514	3.287	ug/l	96
10) Methyl Iodide	2.453	142	4075	2.650	ug/l	97
11) Tert butyl alcohol	2.953	59	6148	13.811	ug/l	97
12) 1,1-Dichloroethene	2.319	96	3115	2.996	ug/l	86
13) Acrolein	2.239	56	3233	12.441	ug/l	96
14) Allyl chloride	2.666	41	4733	2.545	ug/l	93
15) Acrylonitrile	3.062	53	11392	13.695	ug/l	95
16) Acetone	2.380	43	11744	15.394	ug/l	# 83
17) Carbon Disulfide	2.508	76	7314	2.441	ug/l	# 88
18) Methyl Acetate	2.703	43	9384	2.868	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	10966	2.648	ug/l	93
20) Methylene Chloride	2.788	84	4278	2.981	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	3640	2.827	ug/l	# 74
22) Diisopropyl ether	3.764	45	9942	2.551	ug/l	# 92
23) Vinyl Acetate	3.727	43	34107	11.932	ug/l	97
24) 1,1-Dichloroethane	3.617	63	6699	2.832	ug/l	99
25) 2-Butanone	4.562	43	17403	14.138	ug/l	# 86
26) 2,2-Dichloropropane	4.471	77	4392	2.378	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	4282	2.793	ug/l	88
28) Bromochloromethane	4.897	49	2723	2.550	ug/l	# 92
29) Tetrahydrofuran	5.013	42	10836	13.521	ug/l	92
30) Chloroform	5.093	83	7276	2.813	ug/l	99
31) Cyclohexane	5.477	56	5400	2.727	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	6003	2.709	ug/l	99
36) 1,1-Dichloropropene	5.696	75	5422	2.816	ug/l	99
37) Ethyl Acetate	4.715	43	5769	2.523	ug/l	96
38) Carbon Tetrachloride	5.684	117	4959	2.618	ug/l	95
39) Methylcyclohexane	7.379	83	6639	2.943	ug/l	90
40) Benzene	6.044	78	15457	2.870	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	3088	2.714	ug/l	91
42) 1,2-Dichloroethane	6.092	62	6276	2.917	ug/l	99
43) Isopropyl Acetate	6.342	43	8396	2.459	ug/l	98
44) Trichloroethene	7.129	130	4282	3.040	ug/l	90
45) 1,2-Dichloropropane	7.434	63	3767	2.702	ug/l	96
46) Dibromomethane	7.586	93	3061	2.831	ug/l	98
47) Bromodichloromethane	7.824	83	4934	2.565	ug/l	98
48) Methyl methacrylate	7.696	41	4010	2.460	ug/l	85
49) 1,4-Dioxane	7.659	88	2326	57.916	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	30958	13.147	ug/l	97
52) Toluene	8.720	92	10427	2.972	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	4502	2.181	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	4960	2.287	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	4254	2.835	ug/l	91
56) Ethyl methacrylate	9.122	69	5190	2.256	ug/l	95
57) 1,3-Dichloropropane	9.311	76	6929	2.855	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	13028	11.536	ug/l	99
59) 2-Hexanone	9.433	43	24198	12.782	ug/l	95
60) Dibromochloromethane	9.525	129	3562	2.425	ug/l	99
61) 1,2-Dibromoethane	9.610	107	4255	2.622	ug/l	96
64) Tetrachloroethene	9.275	164	3645	2.932	ug/l	93
65) Chlorobenzene	10.079	112	11572	2.880	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3203	2.357	ug/l	89
67) Ethyl Benzene	10.195	91	19653	2.740	ug/l	98
68) m/p-Xylenes	10.305	106	14064	5.071	ug/l	99
69) o-Xylene	10.640	106	6282	2.321	ug/l	91
70) Styrene	10.659	104	10554	2.394	ug/l	99
71) Bromoform	10.799	173	2381	2.126	ug/l #	100
73) Isopropylbenzene	10.963	105	17180	2.561	ug/l	96
74) N-amyl acetate	10.842	43	6019	2.101	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	7094	2.882	ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	5901m	2.595	ug/l	
77) Bromobenzene	11.195	156	4748	2.899	ug/l	90
78) n-propylbenzene	11.305	91	21819	2.660	ug/l	98
79) 2-Chlorotoluene	11.366	91	13238	2.721	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	15104	2.610	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1271m	1.784	ug/l	
82) 4-Chlorotoluene	11.457	91	15227	2.645	ug/l	99
83) tert-Butylbenzene	11.713	119	15184	2.685	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	14460	2.506	ug/l	96
85) sec-Butylbenzene	11.890	105	18895	2.579	ug/l	99
86) p-Isopropyltoluene	12.012	119	15358	2.541	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	9250	2.812	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	9759	2.906	ug/l	89
89) n-Butylbenzene	12.335	91	14694	2.441	ug/l	95
90) Hexachloroethane	12.536	117	2169	2.164	ug/l	83
91) 1,2-Dichlorobenzene	12.335	146	8850	2.799	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1247	2.095	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	5863	2.764	ug/l	93
94) Hexachlorobutadiene	13.725	225	2395	2.806	ug/l	95
95) Naphthalene	13.774	128	17031	2.306	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	5479	2.668	ug/l	98

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

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