

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078482.D
 Acq On : 12 Jul 2023 16:00
 Operator : JC\MD
 Sample : 03572-08 1.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2023

Quant Time: Jul 13 04:34:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 04:30:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	400368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	699507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	589866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	171884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	282072	52.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.100%			
35) Dibromofluoromethane	8.177	113	244666	51.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	10.571	98	857534	47.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.859	95	243796	44.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	5670	1.155	ug/l	91
3) Chloromethane	2.371	50	6560	1.230	ug/l	92
4) Vinyl Chloride	2.518	62	8401	1.217	ug/l	100
5) Bromomethane	2.959	94	7232	1.467	ug/l	97
6) Chloroethane	3.112	64	7724m	1.656	ug/l	
7) Trichlorofluoromethane	3.506	101	9217	1.117	ug/l	93
8) Diethyl Ether	3.971	74	2984	1.086	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.389	101	5262	1.205	ug/l	88
10) Methyl Iodide	4.589	142	6611	1.102	ug/l #	87
11) Tert butyl alcohol	5.553	59	5925	7.159	ug/l #	78
12) 1,1-Dichloroethene	4.353	96	5102m	1.208	ug/l	
13) Acrolein	4.195	56	3606	4.428	ug/l	90
14) Allyl chloride	5.018	41	6148	1.065	ug/l #	63
15) Acrylonitrile	5.747	53	10979	5.250	ug/l #	35
16) Acetone	4.459	43	11467	6.859	ug/l	99
17) Carbon Disulfide	4.718	76	12982	1.063	ug/l #	89
18) Methyl Acetate	5.048	43	8353	1.180	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	13640	0.980	ug/l	92
20) Methylene Chloride	5.295	84	8186	1.517	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	6289m	1.321	ug/l	
22) Diisopropyl ether	6.683	45	12252	0.948	ug/l #	86
23) Vinyl Acetate	6.618	43	36883m	4.488	ug/l	
24) 1,1-Dichloroethane	6.577	63	9810	1.126	ug/l #	85
25) 2-Butanone	7.506	43	13993	5.317	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	7615	1.069	ug/l	90
27) cis-1,2-Dichloroethene	7.489	96	5831	1.059	ug/l	77
28) Bromochloromethane	7.818	49	3891	0.948	ug/l #	90
29) Tetrahydrofuran	7.865	42	8477	4.909	ug/l	87
30) Chloroform	7.971	83	10704	1.180	ug/l	83
31) Cyclohexane	8.236	56	16315	2.249	ug/l #	38
32) 1,1,1-Trichloroethane	8.171	97	9308	1.145	ug/l #	49
36) 1,1-Dichloropropene	8.383	75	7239	1.056	ug/l	96
37) Ethyl Acetate	7.583	43	4608	0.806	ug/l #	92
38) Carbon Tetrachloride	8.371	117	8214	1.102	ug/l #	75
39) Methylcyclohexane	9.606	83	7168	1.145	ug/l #	82
40) Benzene	8.612	78	21870	1.077	ug/l	95

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41) Methacrylonitrile	7.794	41	2978	1.022	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	8461	1.225	ug/l	90
43) Isopropyl Acetate	8.694	43	9923	1.055	ug/l #	83
44) Trichloroethene	9.371	130	6936	1.267	ug/l	76
45) 1,2-Dichloropropane	9.635	63	5572	1.083	ug/l #	76
46) Dibromomethane	9.712	93	3476	0.960	ug/l #	82
47) Bromodichloromethane	9.894	83	8235	1.135	ug/l #	67
48) Methyl methacrylate	9.694	41	4959	1.138	ug/l #	73
49) 1,4-Dioxane	9.700	88	1774	18.659	ug/l #	68
51) 4-Methyl-2-Pentanone	10.453	43	28396	5.073	ug/l	87
52) Toluene	10.635	92	13231	1.051	ug/l	89
53) t-1,3-Dichloropropene	10.841	75	7843	1.055	ug/l	91
54) cis-1,3-Dichloropropene	10.318	75	8790	1.109	ug/l #	89
55) 1,1,2-Trichloroethane	11.024	97	5721	1.153	ug/l #	84
56) Ethyl methacrylate	10.882	69	6433	0.928	ug/l #	82
57) 1,3-Dichloropropane	11.171	76	9273	1.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	10918	4.419	ug/l	93
59) 2-Hexanone	11.206	43	19738	4.962	ug/l	82
60) Dibromochloromethane	11.365	129	5665	1.035	ug/l	91
61) 1,2-Dibromoethane	11.477	107	5024	0.983	ug/l	87
64) Tetrachloroethene	11.118	164	4888	1.102	ug/l	83
65) Chlorobenzene	11.894	112	14220	1.079	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	4894	0.965	ug/l #	51
67) Ethyl Benzene	11.971	91	21827	0.979	ug/l	95
68) m/p-Xylenes	12.071	106	16034	1.946	ug/l	94
69) o-Xylene	12.406	106	6783	0.815	ug/l	81
70) Styrene	12.418	104	10489	0.806	ug/l	92
71) Bromoform	12.588	173	3582	1.043	ug/l #	94
73) Isopropylbenzene	12.700	105	18060	1.118	ug/l	98
74) N-amyl acetate	12.500	43	6196	1.113	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.947	83	7599	1.393	ug/l	95
76) 1,2,3-Trichloropropane	13.006	75	7603m	1.830	ug/l	
77) Bromobenzene	12.982	156	5139	1.295	ug/l	95
78) n-propylbenzene	13.047	91	19937	1.154	ug/l	99
79) 2-Chlorotoluene	13.135	91	12759	1.128	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	14377	1.127	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.753	75	1557m	0.985	ug/l	
82) 4-Chlorotoluene	13.223	91	11885	1.126	ug/l	95
83) tert-Butylbenzene	13.447	119	12092	1.116	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	11518	0.929	ug/l	90
85) sec-Butylbenzene	13.623	105	14946	1.091	ug/l	98
86) p-Isopropyltoluene	13.735	119	11502	1.046	ug/l	91
87) 1,3-Dichlorobenzene	13.741	146	6984	1.126	ug/l	85
88) 1,4-Dichlorobenzene	13.741	146	6984	1.118	ug/l	87
89) n-Butylbenzene	14.059	91	6865	0.873	ug/l	88
90) Hexachloroethane	14.347	117	2862	1.232	ug/l	72
91) 1,2-Dichlorobenzene	14.112	146	6796	1.101	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1197	1.331	ug/l #	52
93) 1,2,4-Trichlorobenzene	15.400	180	1351	0.686	ug/l #	81
94) Hexachlorobutadiene	15.500	225	1485	1.152	ug/l	84
95) Naphthalene	15.647	128	5282	0.785	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.853	180	2314	1.022	ug/l	82

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

