

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078556.D
 Acq On : 18 Jul 2023 13:13
 Operator : JC\MD
 Sample : VN0718WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 01:47:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	485193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	833352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	717025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	325286	50.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.020%			
35) Dibromofluoromethane	8.171	113	285546	50.476	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.571	98	1039630	48.648	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.853	95	318612	48.402	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	110622	18.596	ug/l	98
3) Chloromethane	2.371	50	151836	23.483	ug/l	96
4) Vinyl Chloride	2.518	62	181134	21.656	ug/l	97
5) Bromomethane	2.953	94	112674	18.129	ug/l	99
6) Chloroethane	3.118	64	110890	20.795	ug/l	94
7) Trichlorofluoromethane	3.500	101	209409	20.944	ug/l	97
8) Diethyl Ether	3.971	74	68204	20.474	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	112980	21.346	ug/l	95
10) Methyl Iodide	4.600	142	148948	20.480	ug/l	100
11) Tert butyl alcohol	5.536	59	105331	105.014	ug/l #	83
12) 1,1-Dichloroethene	4.353	96	107259	20.950	ug/l	95
13) Acrolein	4.195	56	90590	91.799	ug/l	97
14) Allyl chloride	5.036	41	136354	19.491	ug/l	93
15) Acrylonitrile	5.730	53	266914	105.323	ug/l	99
16) Acetone	4.442	43	243262	120.060	ug/l	97
17) Carbon Disulfide	4.724	76	258059	17.431	ug/l	98
18) Methyl Acetate	5.036	43	182758	21.308	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	355607	21.081	ug/l	95
20) Methylene Chloride	5.289	84	130992	21.850	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	116771	20.240	ug/l	90
22) Diisopropyl ether	6.683	45	350166	22.354	ug/l #	94
23) Vinyl Acetate	6.618	43	1043813	104.817	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	226920	21.498	ug/l	96
25) 2-Butanone	7.494	43	354926	111.281	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	192022	22.243	ug/l	95
27) cis-1,2-Dichloroethene	7.500	96	139243	20.863	ug/l	92
28) Bromochloromethane	7.824	49	100971	20.310	ug/l	94
29) Tetrahydrofuran	7.847	42	217665	104.006	ug/l #	85
30) Chloroform	7.977	83	242138	22.034	ug/l	99
31) Cyclohexane	8.265	56	174220	19.819	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	213926	21.713	ug/l	100
36) 1,1-Dichloropropene	8.377	75	168850	20.671	ug/l	97
37) Ethyl Acetate	7.571	43	138330	20.315	ug/l #	95
38) Carbon Tetrachloride	8.371	117	192335	21.665	ug/l	93
39) Methylcyclohexane	9.612	83	155775	20.893	ug/l	97
40) Benzene	8.612	78	522339	21.585	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	78925	22.737	ug/l	91
42) 1,2-Dichloroethane	8.682	62	176391	21.430	ug/l	99
43) Isopropyl Acetate	8.694	43	255047	22.751	ug/l	95
44) Trichloroethene	9.359	130	137619	21.100	ug/l	98
45) 1,2-Dichloropropane	9.629	63	136425	22.259	ug/l	97
46) Dibromomethane	9.718	93	96834	22.448	ug/l	94
47) Bromodichloromethane	9.894	83	186625	21.582	ug/l	92
48) Methyl methacrylate	9.688	41	109602	21.103	ug/l	91
49) 1,4-Dioxane	9.700	88	47215	416.854	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	736270	110.416	ug/l	93
52) Toluene	10.635	92	329625	21.978	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	215321	24.306	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	212582	22.512	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	152529	25.812	ug/l	95
56) Ethyl methacrylate	10.882	69	199186	24.114	ug/l #	91
57) 1,3-Dichloropropane	11.171	76	291394	29.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	274995	93.416	ug/l	91
59) 2-Hexanone	11.200	43	700604	147.834	ug/l	89
60) Dibromochloromethane	11.365	129	179375	27.496	ug/l	98
61) 1,2-Dibromoethane	11.476	107	154255	25.341	ug/l	99
64) Tetrachloroethene	11.112	164	141903	26.323	ug/l	94
65) Chlorobenzene	11.900	112	349752	21.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	140618	22.807	ug/l	99
67) Ethyl Benzene	11.971	91	596265	22.010	ug/l	99
68) m/p-Xylenes	12.076	106	452872	45.213	ug/l	97
69) o-Xylene	12.406	106	224403	22.180	ug/l	98
70) Styrene	12.418	104	365331	23.081	ug/l	97
71) Bromoform	12.582	173	98044	23.480	ug/l #	99
73) Isopropylbenzene	12.700	105	558489	20.849	ug/l	99
74) N-amyl acetate	12.500	43	189309	20.507	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	181413	22.547	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	150651m	21.863	ug/l	
77) Bromobenzene	12.988	156	135033	22.325	ug/l	95
78) n-propylbenzene	13.041	91	619570	21.627	ug/l	100
79) 2-Chlorotoluene	13.129	91	389350	20.749	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	454764	21.486	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	50116	19.112	ug/l	90
82) 4-Chlorotoluene	13.229	91	358564	20.484	ug/l	98
83) tert-Butylbenzene	13.447	119	387076	21.541	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	443044	21.550	ug/l	97
85) sec-Butylbenzene	13.617	105	485564	21.378	ug/l	99
86) p-Isopropyltoluene	13.735	119	403437	22.121	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	219940	21.388	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	210155	20.289	ug/l	100
89) n-Butylbenzene	14.059	91	283683	21.739	ug/l	98
90) Hexachloroethane	14.341	117	78655	23.024	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	217094	21.213	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27267	20.115	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	54932	16.818	ug/l	95
94) Hexachlorobutadiene	15.506	225	39052	20.686	ug/l	95
95) Naphthalene	15.647	128	166279	14.892	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	64988	17.304	ug/l	95

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

