

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078588.D
 Acq On : 20 Jul 2023 12:33
 Operator : JC\MD
 Sample : VN0720WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2023
 Supervised By : Mahesh Dadoda 07/21/2023

Quant Time: Jul 21 06:09:40 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	8.236	168	427354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	731154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	648712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	293327	51.199	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	8.177	113	258869	52.157	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.571	98	916063	48.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.853	95	275967	47.784	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	84836	16.191	ug/l	98
3) Chloromethane	2.371	50	104277	18.310	ug/l	94
4) Vinyl Chloride	2.518	62	145459	19.745	ug/l	100
5) Bromomethane	2.954	94	96052	17.368	ug/l	100
6) Chloroethane	3.124	64	83223	17.423	ug/l	98
7) Trichlorofluoromethane	3.501	101	166620	18.920	ug/l	94
8) Diethyl Ether	3.971	74	59698	20.346	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	86256	18.503	ug/l	94
10) Methyl Iodide	4.601	142	123697	19.310	ug/l	92
11) Tert butyl alcohol	5.536	59	89307	101.089	ug/l	99
12) 1,1-Dichloroethene	4.353	96	83958	18.619	ug/l	97
13) Acrolein	4.189	56	87348	100.493	ug/l	96
14) Allyl chloride	5.036	41	114885	18.645	ug/l	93
15) Acrylonitrile	5.736	53	225669	101.100	ug/l	99
16) Acetone	4.442	43	177266	99.329	ug/l	99
17) Carbon Disulfide	4.718	76	199173	15.275	ug/l	99
18) Methyl Acetate	5.036	43	156674	20.739	ug/l	88
19) Methyl tert-butyl Ether	5.806	73	301500	20.293	ug/l	98
20) Methylene Chloride	5.289	84	103767	19.526	ug/l #	85
21) trans-1,2-Dichloroethene	5.795	96	93882	18.475	ug/l	92
22) Diisopropyl ether	6.683	45	292252	21.182	ug/l	94
23) Vinyl Acetate	6.612	43	897921	102.370	ug/l #	91
24) 1,1-Dichloroethane	6.571	63	185892	19.995	ug/l	95
25) 2-Butanone	7.494	43	289643	103.104	ug/l	88
26) 2,2-Dichloropropane	7.500	77	146295	19.239	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	116810	19.871	ug/l	92
28) Bromochloromethane	7.824	49	95822	21.883	ug/l	90
29) Tetrahydrofuran	7.847	42	184028	99.834	ug/l #	83
30) Chloroform	7.971	83	202639	20.936	ug/l	96
31) Cyclohexane	8.265	56	138780	17.924	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	168766	19.448	ug/l	96
36) 1,1-Dichloropropene	8.377	75	138564	19.335	ug/l	96
37) Ethyl Acetate	7.571	43	117646	19.693	ug/l #	94
38) Carbon Tetrachloride	8.365	117	154616	19.851	ug/l	94
39) Methylcyclohexane	9.606	83	120492	18.419	ug/l	89
40) Benzene	8.618	78	414517	19.524	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	62142	20.404	ug/l	91
42) 1,2-Dichloroethane	8.671	62	155188	21.489	ug/l	98
43) Isopropyl Acetate	8.694	43	208798	21.228	ug/l	95
44) Trichloroethene	9.359	130	109912	19.208	ug/l	97
45) 1,2-Dichloropropane	9.630	63	111997	20.827	ug/l	98
46) Dibromomethane	9.712	93	82035	21.675	ug/l	96
47) Bromodichloromethane	9.894	83	158490	20.890	ug/l	94
48) Methyl methacrylate	9.683	41	93469	20.512	ug/l	89
49) 1,4-Dioxane	9.700	88	38619	388.619	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	621649	106.258	ug/l	93
52) Toluene	10.635	92	265909	20.208	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	162415	20.896	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	172181	20.782	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	114679	22.120	ug/l	92
56) Ethyl methacrylate	10.877	69	151937	20.965	ug/l	90
57) 1,3-Dichloropropane	11.171	76	183329	20.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	241894	93.657	ug/l	92
59) 2-Hexanone	11.200	43	430967	103.649	ug/l	91
60) Dibromochloromethane	11.365	129	121705	21.264	ug/l	97
61) 1,2-Dibromoethane	11.477	107	110043	20.605	ug/l	99
64) Tetrachloroethene	11.106	164	95747	19.632	ug/l	95
65) Chlorobenzene	11.900	112	282669	19.494	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	115042	20.623	ug/l	96
67) Ethyl Benzene	11.971	91	482999	19.706	ug/l	96
68) m/p-Xylenes	12.076	106	360639	39.796	ug/l	98
69) o-Xylene	12.400	106	178333	19.483	ug/l	99
70) Styrene	12.418	104	285646	19.947	ug/l	98
71) Bromoform	12.582	173	76980	20.376	ug/l #	100
73) Isopropylbenzene	12.700	105	437257	18.800	ug/l	98
74) N-amyl acetate	12.500	43	154940	19.331	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	155671	22.244	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	123888m	20.707	ug/l	
77) Bromobenzene	12.988	156	107169	20.270	ug/l	98
78) n-propylbenzene	13.041	91	484741	19.488	ug/l	98
79) 2-Chlorotoluene	13.129	91	311623	19.127	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	361190	19.655	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.747	75	42094	18.488	ug/l	90
82) 4-Chlorotoluene	13.223	91	293586	19.317	ug/l	98
83) tert-Butylbenzene	13.441	119	304602	19.523	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	351673	19.701	ug/l	99
85) sec-Butylbenzene	13.623	105	379037	19.220	ug/l	100
86) p-Isopropyltoluene	13.735	119	305479	19.291	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	174697	19.566	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	169336	18.829	ug/l	98
89) n-Butylbenzene	14.059	91	219761	19.396	ug/l	97
90) Hexachloroethane	14.341	117	62008	20.829	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	177231	19.946	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23875	20.302	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	42882	15.121	ug/l	92
94) Hexachlorobutadiene	15.506	225	33776	20.588	ug/l	94
95) Naphthalene	15.641	128	127394	13.140	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	51619	15.830	ug/l	97

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

