

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022423\
 Data File : VN076802.D
 Acq On : 24 Feb 2023 12:04
 Operator : JC\MD
 Sample : VN0224WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2023
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 25 01:42:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	278857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	501763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	466782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	226480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	178966	46.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.172	113	139117	42.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.680%		
50) Toluene-d8	10.571	98	555093	45.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.460%		
62) 4-Bromofluorobenzene	12.854	95	186073	45.781	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	50623	17.097	ug/l	96
3) Chloromethane	2.378	50	67504	17.474	ug/l	100
4) Vinyl Chloride	2.531	62	69251	18.214	ug/l	100
5) Bromomethane	2.966	94	49528	21.499	ug/l	92
6) Chloroethane	3.131	64	49839	20.742	ug/l	92
7) Trichlorofluoromethane	3.513	101	91381	17.665	ug/l	95
8) Diethyl Ether	3.972	74	37445	18.785	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	57836	19.027	ug/l	97
10) Methyl Iodide	4.601	142	67763	18.052	ug/l	97
11) Tert butyl alcohol	5.542	59	54662	107.546	ug/l	97
12) 1,1-Dichloroethene	4.354	96	50495	17.543	ug/l	89
13) Acrolein	4.195	56	72402	94.883	ug/l	97
14) Allyl chloride	5.042	41	105971	21.248	ug/l	91
15) Acrylonitrile	5.725	53	178548	98.984	ug/l	98
16) Acetone	4.437	43	177731	103.331	ug/l	97
17) Carbon Disulfide	4.719	76	121786	16.025	ug/l #	94
18) Methyl Acetate	5.037	43	115791	20.624	ug/l	99
19) Methyl tert-butyl Ether	5.801	73	195148	20.110	ug/l	99
20) Methylene Chloride	5.284	84	64597	17.920	ug/l	97
21) trans-1,2-Dichloroethene	5.801	96	55707	17.193	ug/l #	90
22) Diisopropyl ether	6.683	45	241123	20.613	ug/l	96
23) Vinyl Acetate	6.613	43	751813	108.628	ug/l	98
24) 1,1-Dichloroethane	6.578	63	124813	19.469	ug/l	96
25) 2-Butanone	7.489	43	264810	104.373	ug/l	97
26) 2,2-Dichloropropane	7.495	77	92483	20.000	ug/l	95
27) cis-1,2-Dichloroethene	7.495	96	71334	18.562	ug/l	99
28) Bromochloromethane	7.819	49	59983	19.659	ug/l	90
29) Tetrahydrofuran	7.842	42	171580	103.508	ug/l	98
30) Chloroform	7.972	83	123008	19.204	ug/l	88
31) Cyclohexane	8.260	56	115033	19.044	ug/l	99
32) 1,1,1-Trichloroethane	8.172	97	100057	18.579	ug/l	95
36) 1,1-Dichloropropene	8.377	75	85740	18.060	ug/l	98
37) Ethyl Acetate	7.566	43	106896	21.400	ug/l	97
38) Carbon Tetrachloride	8.372	117	83952	17.529	ug/l	94
39) Methylcyclohexane	9.607	83	97937	18.148	ug/l	98
40) Benzene	8.607	78	273084	18.730	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	56729	19.604	ug/l	97
42) 1,2-Dichloroethane	8.677	62	98395	19.350	ug/l	99
43) Isopropyl Acetate	8.689	43	167936	20.661	ug/l	99
44) Trichloroethene	9.360	130	61480	17.844	ug/l	92
45) 1,2-Dichloropropane	9.624	63	77734	20.141	ug/l	98
46) Dibromomethane	9.713	93	48504	19.658	ug/l	92
47) Bromodichloromethane	9.889	83	97010	19.610	ug/l #	95
48) Methyl methacrylate	9.683	41	78583	20.374	ug/l	96
49) 1,4-Dioxane	9.701	88	27136	406.713	ug/l	94
51) 4-Methyl-2-Pentanone	10.448	43	549253	106.205	ug/l	98
52) Toluene	10.636	92	177032	20.112	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	93745	19.633	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	107156	19.456	ug/l	97
55) 1,1,2-Trichloroethane	11.013	97	67312	18.806	ug/l	98
56) Ethyl methacrylate	10.877	69	102242	20.293	ug/l	94
57) 1,3-Dichloropropane	11.166	76	122569	19.932	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	217286	94.170	ug/l	95
59) 2-Hexanone	11.201	43	403492	108.207	ug/l	99
60) Dibromochloromethane	11.360	129	68385	18.128	ug/l	97
61) 1,2-Dibromoethane	11.471	107	64619	18.036	ug/l	96
64) Tetrachloroethene	11.107	164	50131	17.042	ug/l	89
65) Chlorobenzene	11.895	112	178367	18.031	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	63674	17.721	ug/l	98
67) Ethyl Benzene	11.965	91	324290	19.242	ug/l	100
68) m/p-Xylenes	12.071	106	251812	38.763	ug/l	95
69) o-Xylene	12.401	106	125586	19.822	ug/l	99
70) Styrene	12.413	104	201086	19.627	ug/l	99
71) Bromoform	12.583	173	46902	17.795	ug/l #	97
73) Isopropylbenzene	12.701	105	320666	19.317	ug/l	99
74) N-amyl acetate	12.495	43	145391	19.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	112588	18.737	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	95175m	20.786	ug/l	
77) Bromobenzene	12.983	156	72276	17.451	ug/l	94
78) n-propylbenzene	13.036	91	380499	19.520	ug/l	99
79) 2-Chlorotoluene	13.124	91	228539	19.148	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	267176	19.475	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	29563	18.805	ug/l	91
82) 4-Chlorotoluene	13.124	91	228539	19.148	ug/l	96
83) tert-Butylbenzene	13.442	119	235003	18.935	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	277081	20.265	ug/l	98
85) sec-Butylbenzene	13.618	105	345070	19.915	ug/l	98
86) p-Isopropyltoluene	13.730	119	277206	20.035	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	142502	18.202	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	139371	17.876	ug/l	96
89) n-Butylbenzene	14.059	91	235936	19.606	ug/l	99
90) Hexachloroethane	14.336	117	51620	17.818	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	143888	17.927	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	19080	16.390	ug/l	90
93) 1,2,4-Trichlorobenzene	15.395	180	69546	17.371	ug/l	92
94) Hexachlorobutadiene	15.506	225	34618	17.642	ug/l	99
95) Naphthalene	15.642	128	209915	17.278	ug/l	98
96) 1,2,3-Trichlorobenzene	15.842	180	68025	17.537	ug/l	98

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

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