

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076953.D
 Acq On : 13 Mar 2023 11:32
 Operator : JC\MD
 Sample : VN0313WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2023
 Supervised By : Mahesh Dadoda 03/14/2023

Quant Time: Mar 14 06:59:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	400282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	671732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	597563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	279600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	299272	50.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.200%			
35) Dibromofluoromethane	8.172	113	225229	50.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	10.572	98	854921	51.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.848	95	327249	54.226	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.143	85	145971	20.246	ug/l	98
3) Chloromethane	2.378	50	61760	15.830	ug/l	98
4) Vinyl Chloride	2.531	62	63643	17.574	ug/l	97
5) Bromomethane	2.966	94	49484	18.576	ug/l	89
6) Chloroethane	3.131	64	39609	17.229	ug/l	98
7) Trichlorofluoromethane	3.513	101	176912	18.827	ug/l	95
8) Diethyl Ether	3.978	74	54274	17.952	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.384	101	85488	17.807	ug/l	98
10) Methyl Iodide	4.607	142	67869	13.507	ug/l	89
11) Tert butyl alcohol	5.537	59	78076	93.960	ug/l #	85
12) 1,1-Dichloroethene	4.360	96	80217	18.130	ug/l	92
13) Acrolein	4.196	56	71658	95.941	ug/l	100
14) Allyl chloride	5.037	41	111848	17.621	ug/l	89
15) Acrylonitrile	5.737	53	216121	92.029	ug/l	99
16) Acetone	4.443	43	206988	100.001	ug/l	91
17) Carbon Disulfide	4.725	76	225745	18.419	ug/l #	95
18) Methyl Acetate	5.037	43	133052	17.430	ug/l	92
19) Methyl tert-butyl Ether	5.807	73	303321	19.280	ug/l	99
20) Methylene Chloride	5.290	84	90183	16.945	ug/l #	86
21) trans-1,2-Dichloroethene	5.801	96	86793	18.504	ug/l	95
22) Diisopropyl ether	6.690	45	257387	18.329	ug/l	97
23) Vinyl Acetate	6.613	43	847908	98.051	ug/l	96
24) 1,1-Dichloroethane	6.584	63	167590	18.684	ug/l	96
25) 2-Butanone	7.490	43	285083	96.840	ug/l	90
26) 2,2-Dichloropropane	7.495	77	155736	19.619	ug/l	98
27) cis-1,2-Dichloroethene	7.501	96	103685	19.156	ug/l	88
28) Bromochloromethane	7.825	49	63719	19.638	ug/l	90
29) Tetrahydrofuran	7.842	42	179497	98.372	ug/l	89
30) Chloroform	7.972	83	185404	19.237	ug/l	100
31) Cyclohexane	8.260	56	160532	18.731	ug/l	88
32) 1,1,1-Trichloroethane	8.172	97	175676	19.442	ug/l	95
36) 1,1-Dichloropropene	8.378	75	138078	19.942	ug/l	95
37) Ethyl Acetate	7.572	43	111264	20.094	ug/l	96
38) Carbon Tetrachloride	8.372	117	159853	19.726	ug/l	94
39) Methylcyclohexane	9.607	83	166575	19.819	ug/l #	88
40) Benzene	8.613	78	398656	19.533	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	62571	18.990	ug/l	89
42) 1,2-Dichloroethane	8.678	62	147080	18.476	ug/l	96
43) Isopropyl Acetate	8.695	43	191977	19.640	ug/l	94
44) Trichloroethene	9.360	130	100773	19.106	ug/l	90
45) 1,2-Dichloropropane	9.625	63	98631	19.642	ug/l	95
46) Dibromomethane	9.713	93	68175	19.440	ug/l	95
47) Bromodichloromethane	9.889	83	147668	19.848	ug/l	97
48) Methyl methacrylate	9.684	41	94640	19.761	ug/l #	84
49) 1,4-Dioxane	9.701	88	37099	409.095	ug/l #	82
51) 4-Methyl-2-Pentanone	10.448	43	594409	101.231	ug/l	94
52) Toluene	10.631	92	257543	20.503	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	153199	20.654	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	164937	20.248	ug/l #	93
55) 1,1,2-Trichloroethane	11.019	97	95127	19.464	ug/l #	90
56) Ethyl methacrylate	10.878	69	151622	20.454	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	168301	19.529	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	245680	104.079	ug/l	95
59) 2-Hexanone	11.195	43	441802	103.193	ug/l	93
60) Dibromochloromethane	11.360	129	110507	20.523	ug/l	100
61) 1,2-Dibromoethane	11.472	107	99614	20.336	ug/l	99
64) Tetrachloroethene	11.107	164	92497	19.126	ug/l	97
65) Chlorobenzene	11.895	112	261034	19.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	104500	20.027	ug/l	96
67) Ethyl Benzene	11.966	91	502301	20.437	ug/l	96
68) m/p-Xylenes	12.072	106	368955	39.939	ug/l	87
69) o-Xylene	12.401	106	183124	20.419	ug/l	83
70) Styrene	12.413	104	300934	20.770	ug/l	93
71) Bromoform	12.583	173	78380	20.727	ug/l #	99
73) Isopropylbenzene	12.701	105	492043	19.750	ug/l	96
74) N-amyl acetate	12.495	43	160954	19.512	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.942	83	142591	19.451	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	131942m	19.464	ug/l	
77) Bromobenzene	12.983	156	109157	19.598	ug/l	91
78) n-propylbenzene	13.036	91	552580	19.917	ug/l	97
79) 2-Chlorotoluene	13.130	91	351795	19.554	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	430065	20.264	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.742	75	48689	23.462	ug/l #	90
82) 4-Chlorotoluene	13.224	91	336269	19.780	ug/l	92
83) tert-Butylbenzene	13.442	119	361118	20.029	ug/l	89
84) 1,2,4-Trimethylbenzene	13.483	105	423328	19.937	ug/l	94
85) sec-Butylbenzene	13.619	105	508262	20.566	ug/l	96
86) p-Isopropyltoluene	13.730	119	418509	20.970	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	197021	19.409	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	193313	18.984	ug/l	96
89) n-Butylbenzene	14.060	91	334833	20.105	ug/l	98
90) Hexachloroethane	14.336	117	78995	20.599	ug/l	86
91) 1,2-Dichlorobenzene	14.107	146	195113	19.134	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	32364	19.996	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	112942	19.925	ug/l	99
94) Hexachlorobutadiene	15.507	225	62704	20.763	ug/l	97
95) Naphthalene	15.648	128	353357	20.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	112526	20.444	ug/l	99

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

