

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077542.D
 Acq On : 01 May 2023 14:51
 Operator : JC\MD
 Sample : VN0501WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:24:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	705077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1308488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1173451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	479591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	428540	46.578	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.160%		
35) Dibromofluoromethane	8.172	113	379355	48.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	10.572	98	1452368	48.185	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.360%		
62) 4-Bromofluorobenzene	12.848	95	483369	49.015	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	160250	18.004	ug/l	99
3) Chloromethane	2.372	50	118689	16.793	ug/l	97
4) Vinyl Chloride	2.525	62	157256	16.702	ug/l	96
5) Bromomethane	2.960	94	129150	15.835	ug/l	93
6) Chloroethane	3.131	64	105722	14.780	ug/l	92
7) Trichlorofluoromethane	3.501	101	277802	20.075	ug/l	100
8) Diethyl Ether	3.966	74	91562	18.208	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.390	101	152678	18.971	ug/l	97
10) Methyl Iodide	4.601	142	175854	17.785	ug/l	94
11) Tert butyl alcohol	5.531	59	116356	78.779	ug/l	98
12) 1,1-Dichloroethene	4.348	96	140147	17.811	ug/l	97
13) Acrolein	4.184	56	128100	87.184	ug/l	96
14) Allyl chloride	5.031	41	141054	16.124	ug/l #	89
15) Acrylonitrile	5.731	53	296731	88.559	ug/l	98
16) Acetone	4.431	43	284146	97.076	ug/l	94
17) Carbon Disulfide	4.725	76	318307	15.920	ug/l	99
18) Methyl Acetate	5.037	43	198335	17.547	ug/l	99
19) Methyl tert-butyl Ether	5.801	73	483849	18.490	ug/l	96
20) Methylene Chloride	5.295	84	164380	17.709	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	152990	17.981	ug/l	97
22) Diisopropyl ether	6.678	45	358453	17.854	ug/l	99
23) Vinyl Acetate	6.613	43	1088126	86.781	ug/l	99
24) 1,1-Dichloroethane	6.578	63	264201	18.590	ug/l	96
25) 2-Butanone	7.483	43	365262	87.983	ug/l	98
26) 2,2-Dichloropropane	7.495	77	265706	19.282	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	189890	18.845	ug/l	98
28) Bromochloromethane	7.819	49	110697	20.397	ug/l	96
29) Tetrahydrofuran	7.842	42	212542	81.711	ug/l	96
30) Chloroform	7.966	83	311050	19.421	ug/l	91
31) Cyclohexane	8.260	56	219406	16.834	ug/l	95
32) 1,1,1-Trichloroethane	8.172	97	288356	19.583	ug/l	97
36) 1,1-Dichloropropene	8.378	75	216454	19.051	ug/l	99
37) Ethyl Acetate	7.566	43	149786	17.349	ug/l	99
38) Carbon Tetrachloride	8.366	117	238367	19.015	ug/l	96
39) Methylcyclohexane	9.607	83	284872	19.030	ug/l	96
40) Benzene	8.613	78	665586	19.229	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	75559	16.803	ug/l	92
42) 1,2-Dichloroethane	8.678	62	225995	19.010	ug/l	99
43) Isopropyl Acetate	8.689	43	264869	17.733	ug/l	98
44) Trichloroethene	9.354	130	169425	19.117	ug/l	98
45) 1,2-Dichloropropane	9.624	63	160363	19.778	ug/l	98
46) Dibromomethane	9.713	93	123469	18.767	ug/l	98
47) Bromodichloromethane	9.889	83	247902	19.480	ug/l	99
48) Methyl methacrylate	9.683	41	117753	17.319	ug/l	97
49) 1,4-Dioxane	9.701	88	63093	369.957	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	764212	87.229	ug/l	99
52) Toluene	10.630	92	438791	19.351	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	246510	19.130	ug/l	100
54) cis-1,3-Dichloropropene	10.319	75	272709	19.443	ug/l	91
55) 1,1,2-Trichloroethane	11.019	97	175650	19.263	ug/l	97
56) Ethyl methacrylate	10.877	69	240863	18.852	ug/l	94
57) 1,3-Dichloropropane	11.166	76	288929	19.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	363919	84.210	ug/l	99
59) 2-Hexanone	11.195	43	563197	88.438	ug/l	99
60) Dibromochloromethane	11.360	129	183844	19.427	ug/l	97
61) 1,2-Dibromoethane	11.471	107	177298	19.045	ug/l	99
64) Tetrachloroethene	11.107	164	135240	19.253	ug/l	99
65) Chlorobenzene	11.895	112	476057	19.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	172162	19.057	ug/l	98
67) Ethyl Benzene	11.966	91	862448	19.730	ug/l	97
68) m/p-Xylenes	12.071	106	681104	40.091	ug/l	100
69) o-Xylene	12.401	106	338732	20.270	ug/l	98
70) Styrene	12.413	104	529571	20.264	ug/l	99
71) Bromoform	12.583	173	112624	19.055	ug/l #	99
73) Isopropylbenzene	12.701	105	870460	19.559	ug/l	99
74) N-amyl acetate	12.495	43	211382	16.043	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	242560	17.346	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	179753m	16.118	ug/l	
77) Bromobenzene	12.983	156	177845	18.336	ug/l	98
78) n-propylbenzene	13.036	91	976291	19.840	ug/l	100
79) 2-Chlorotoluene	13.130	91	586510	19.332	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	673705	20.384	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	66818	16.927	ug/l	97
82) 4-Chlorotoluene	13.224	91	556731	19.638	ug/l	99
83) tert-Butylbenzene	13.442	119	616817	19.218	ug/l	100
84) 1,2,4-Trimethylbenzene	13.489	105	612761	19.852	ug/l	99
85) sec-Butylbenzene	13.618	105	876299	19.891	ug/l	100
86) p-Isopropyltoluene	13.736	119	680370	20.072	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	333695	19.345	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	319767	18.775	ug/l	97
89) n-Butylbenzene	14.060	91	518317	19.759	ug/l	98
90) Hexachloroethane	14.336	117	133346	17.807	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	325271	19.012	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	42596	16.473	ug/l	97
93) 1,2,4-Trichlorobenzene	15.401	180	73291	18.182	ug/l	99
94) Hexachlorobutadiene	15.506	225	69288	20.042	ug/l	98
95) Naphthalene	15.642	128	259633	17.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	68312	18.068	ug/l	99

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

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