

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085619.D
 Acq On : 03 Feb 2025 13:58
 Operator : JC\MD
 Sample : VN0203WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

Quant Time: Feb 04 00:57:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	188870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145603	47.758	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.520%		
35) Dibromofluoromethane	8.165	113	118527	52.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.480%		
50) Toluene-d8	10.565	98	440013	54.582	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.160%		
62) 4-Bromofluorobenzene	12.847	95	140993	51.128	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38687	15.128	ug/l	97
3) Chloromethane	2.359	50	39178	14.150	ug/l	99
4) Vinyl Chloride	2.512	62	50107	18.004	ug/l	98
5) Bromomethane	2.959	94	32854	19.544	ug/l	100
6) Chloroethane	3.124	64	34668	19.648	ug/l	92
7) Trichlorofluoromethane	3.495	101	71688	17.753	ug/l	95
8) Diethyl Ether	3.959	74	22305	15.989	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	41316	18.165	ug/l	98
10) Methyl Iodide	4.589	142	44373	17.036	ug/l	97
11) Tert butyl alcohol	5.518	59	34586	99.071	ug/l	100
12) 1,1-Dichloroethene	4.347	96	35011	17.272	ug/l	91
13) Acrolein	4.183	56	24346	51.087	ug/l	99
14) Allyl chloride	5.018	41	46069	14.006	ug/l	95
15) Acrylonitrile	5.712	53	105201	94.873	ug/l	99
16) Acetone	4.424	43	84320	85.597	ug/l	93
17) Carbon Disulfide	4.718	76	83320	13.350	ug/l	98
18) Methyl Acetate	5.030	43	57710	19.266	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	120113	18.249	ug/l	97
20) Methylene Chloride	5.277	84	45987	18.858	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	37886	17.489	ug/l	93
22) Diisopropyl ether	6.665	45	121562	16.651	ug/l	98
23) Vinyl Acetate	6.600	43	406095	79.484	ug/l #	93
24) 1,1-Dichloroethane	6.571	63	79173	17.785	ug/l	97
25) 2-Butanone	7.483	43	128446	88.606	ug/l	96
26) 2,2-Dichloropropane	7.488	77	68597	19.060	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	47714	18.700	ug/l	93
28) Bromochloromethane	7.812	49	37432	18.074	ug/l	87
29) Tetrahydrofuran	7.835	42	82755	90.042	ug/l	90
30) Chloroform	7.965	83	87616	19.043	ug/l	96
31) Cyclohexane	8.253	56	54962	14.205	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	72591	17.987	ug/l	97
36) 1,1-Dichloropropene	8.371	75	52640	16.530	ug/l	97
37) Ethyl Acetate	7.553	43	52153	16.226	ug/l #	97
38) Carbon Tetrachloride	8.359	117	63941	17.539	ug/l	97
39) Methylcyclohexane	9.594	83	47017	15.712	ug/l	99
40) Benzene	8.600	78	178066	18.610	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	27186	16.257	ug/l	93
42) 1,2-Dichloroethane	8.665	62	62118	17.238	ug/l	97
43) Isopropyl Acetate	8.688	43	90788	17.628	ug/l	98
44) Trichloroethene	9.347	130	40975	18.397	ug/l	95
45) 1,2-Dichloropropane	9.618	63	44363	18.152	ug/l	97
46) Dibromomethane	9.706	93	32561	18.464	ug/l	99
47) Bromodichloromethane	9.882	83	68763	19.139	ug/l	97
48) Methyl methacrylate	9.677	41	36614	15.797	ug/l #	86
49) 1,4-Dioxane	9.694	88	16166	414.188	ug/l #	78
51) 4-Methyl-2-Pentanone	10.441	43	273103	91.380	ug/l	95
52) Toluene	10.629	92	109097	19.678	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	63985	18.846	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	67151	18.516	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	44783	20.411	ug/l	97
56) Ethyl methacrylate	10.871	69	57740	16.950	ug/l	94
57) 1,3-Dichloropropane	11.159	76	74082	19.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	104900	75.342	ug/l	97
59) 2-Hexanone	11.194	43	193608	92.067	ug/l	95
60) Dibromochloromethane	11.359	129	51263	19.353	ug/l	99
61) 1,2-Dibromoethane	11.465	107	42556	19.486	ug/l	99
64) Tetrachloroethene	11.100	164	37520	19.160	ug/l	98
65) Chlorobenzene	11.888	112	119593	19.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44553	19.291	ug/l	99
67) Ethyl Benzene	11.959	91	191202	18.656	ug/l	100
68) m/p-Xylenes	12.070	106	150700	39.785	ug/l	96
69) o-Xylene	12.394	106	68756	18.994	ug/l	98
70) Styrene	12.406	104	118783	19.827	ug/l	97
71) Bromoform	12.576	173	33352	20.183	ug/l #	98
73) Isopropylbenzene	12.694	105	175479	18.416	ug/l	99
74) N-amyl acetate	12.494	43	67669	15.799	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	66278	19.691	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	57701m	20.108	ug/l	
77) Bromobenzene	12.976	156	45701	18.357	ug/l	96
78) n-propylbenzene	13.035	91	212161	18.808	ug/l	100
79) 2-Chlorotoluene	13.123	91	132501	18.149	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	151767	19.282	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	20631	19.452	ug/l	90
82) 4-Chlorotoluene	13.217	91	133497	18.365	ug/l	97
83) tert-Butylbenzene	13.435	119	121493	18.381	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	151424	19.303	ug/l	97
85) sec-Butylbenzene	13.612	105	174506	19.049	ug/l	99
86) p-Isopropyltoluene	13.723	119	139399	18.340	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	83480	18.208	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	85839	18.063	ug/l	99
89) n-Butylbenzene	14.053	91	114517	17.425	ug/l	98
90) Hexachloroethane	14.329	117	31928	18.308	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	84316	18.437	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11783	19.170	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	34556	16.258	ug/l	99
94) Hexachlorobutadiene	15.500	225	18281	16.200	ug/l	97
95) Naphthalene	15.635	128	102342	16.136	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	34678	16.124	ug/l	97

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

