

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011325\
 Data File : VN085434.D
 Acq On : 13 Jan 2025 18:18
 Operator : JC\MD
 Sample : VN0113WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113WBS01

Quant Time: Jan 13 20:45:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/14/2025
 Supervised By : Mahesh Dadoda 01/14/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	176809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154914	61.430	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.860%			
35) Dibromofluoromethane	8.165	113	111809	58.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.640%			
50) Toluene-d8	10.565	98	420658	59.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 119.580%#			
62) 4-Bromofluorobenzene	12.847	95	139124	59.546	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48371	20.228	ug/l	97
3) Chloromethane	2.359	50	51177	19.042	ug/l	97
4) Vinyl Chloride	2.512	62	50495	17.766	ug/l	99
5) Bromomethane	2.959	94	29364	15.797	ug/l	93
6) Chloroethane	3.124	64	32204	17.866	ug/l	96
7) Trichlorofluoromethane	3.500	101	75595	20.233	ug/l	92
8) Diethyl Ether	3.959	74	23643	19.111	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	42313	19.903	ug/l	97
10) Methyl Iodide	4.594	142	44889	18.246	ug/l	90
11) Tert butyl alcohol	5.524	59	33984	107.619	ug/l	97
12) 1,1-Dichloroethene	4.342	96	37346	19.008	ug/l	94
13) Acrolein	4.177	56	42961	87.262	ug/l	100
14) Allyl chloride	5.024	41	55069	17.512	ug/l	96
15) Acrylonitrile	5.724	53	105111	105.758	ug/l	99
16) Acetone	4.424	43	92515	111.566	ug/l	92
17) Carbon Disulfide	4.712	76	107936	18.058	ug/l #	93
18) Methyl Acetate	5.024	43	57380	22.602	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	121004	18.948	ug/l	99
20) Methylene Chloride	5.277	84	45302	20.311	ug/l	93
21) trans-1,2-Dichloroethene	5.788	96	38470	18.743	ug/l	95
22) Diisopropyl ether	6.665	45	138202	20.395	ug/l	96
23) Vinyl Acetate	6.600	43	477693	97.446	ug/l	98
24) 1,1-Dichloroethane	6.565	63	82467	20.203	ug/l	99
25) 2-Butanone	7.482	43	138795	107.888	ug/l	97
26) 2,2-Dichloropropane	7.482	77	69229	19.358	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	46807	19.430	ug/l	96
28) Bromochloromethane	7.806	49	38086	20.078	ug/l #	100
29) Tetrahydrofuran	7.835	42	93177	112.440	ug/l	97
30) Chloroform	7.965	83	85067	20.370	ug/l	99
31) Cyclohexane	8.253	56	67563	18.126	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	72898	19.546	ug/l	96
36) 1,1-Dichloropropene	8.371	75	57053	20.325	ug/l	98
37) Ethyl Acetate	7.559	43	59245	21.235	ug/l	98
38) Carbon Tetrachloride	8.359	117	65615	21.445	ug/l	96
39) Methylcyclohexane	9.600	83	51930	17.831	ug/l	92
40) Benzene	8.600	78	177263	20.887	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30129	21.086	ug/l	96
42) 1,2-Dichloroethane	8.671	62	67736	22.261	ug/l	99
43) Isopropyl Acetate	8.688	43	93516	20.356	ug/l	99
44) Trichloroethene	9.347	130	38106	18.965	ug/l	99
45) 1,2-Dichloropropane	9.624	63	44014	20.430	ug/l	97
46) Dibromomethane	9.706	93	32135	21.447	ug/l	99
47) Bromodichloromethane	9.882	83	66012	21.197	ug/l #	96
48) Methyl methacrylate	9.676	41	44887	22.518	ug/l	96
49) 1,4-Dioxane	9.694	88	14173	471.235	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	297139	115.095	ug/l	99
52) Toluene	10.629	92	108160	21.404	ug/l	97
53) t-1,3-Dichloropropene	10.829	75	60181	19.651	ug/l	92
54) cis-1,3-Dichloropropene	10.306	75	66483	20.075	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	40319	21.133	ug/l	99
56) Ethyl methacrylate	10.871	69	57603	20.731	ug/l	94
57) 1,3-Dichloropropane	11.159	76	71523	21.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	119844	89.146	ug/l	98
59) 2-Hexanone	11.194	43	208901	116.627	ug/l	97
60) Dibromochloromethane	11.359	129	47855	22.269	ug/l	99
61) 1,2-Dibromoethane	11.465	107	39816	21.094	ug/l	99
64) Tetrachloroethene	11.100	164	35615	20.524	ug/l	94
65) Chlorobenzene	11.888	112	112788	19.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	41288	20.787	ug/l	98
67) Ethyl Benzene	11.959	91	186735	18.973	ug/l	99
68) m/p-Xylenes	12.065	106	145905	40.509	ug/l	100
69) o-Xylene	12.394	106	65520	18.805	ug/l	93
70) Styrene	12.406	104	113598	20.117	ug/l	97
71) Bromoform	12.576	173	30155	21.920	ug/l #	100
73) Isopropylbenzene	12.694	105	167638	18.266	ug/l	99
74) N-amyl acetate	12.494	43	75904	19.321	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	59549	20.372	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	47334m	19.861	ug/l	
77) Bromobenzene	12.976	156	42686	18.773	ug/l	98
78) n-propylbenzene	13.035	91	202648	18.942	ug/l	99
79) 2-Chlorotoluene	13.123	91	130851	19.434	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	145314	19.575	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18224m	18.312	ug/l	
82) 4-Chlorotoluene	13.217	91	128820	18.997	ug/l	99
83) tert-Butylbenzene	13.435	119	115532	17.966	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	144854	19.596	ug/l	99
85) sec-Butylbenzene	13.612	105	162480	18.203	ug/l	98
86) p-Isopropyltoluene	13.723	119	133688	17.534	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	77035	18.688	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	77198	18.232	ug/l	98
89) n-Butylbenzene	14.053	91	107369	16.426	ug/l	97
90) Hexachloroethane	14.329	117	29251	19.992	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	74811	19.052	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11062	21.264	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	31910	16.282	ug/l	100
94) Hexachlorobutadiene	15.500	225	16580	17.027	ug/l	96
95) Naphthalene	15.641	128	88990	13.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	32067	16.377	ug/l	99

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

