

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085689.D
 Acq On : 05 Feb 2025 19:59
 Operator : JC\MD
 Sample : VN0205WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS02

Quant Time: Feb 06 00:47:27 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

Manual Integrations APPROVED

Reviewed By : John Carlone 02/07/2025
 Supervised By : Mahesh Dadoda 02/07/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	181501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146655	50.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.120%			
35) Dibromofluoromethane	8.165	113	120677	51.972	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.940%			
50) Toluene-d8	10.565	98	416517	50.487	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.847	95	135430	47.989	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48381	19.687	ug/l	98
3) Chloromethane	2.359	50	49792	18.713	ug/l	98
4) Vinyl Chloride	2.512	62	56303	21.052	ug/l	97
5) Bromomethane	2.959	94	34498	21.355	ug/l	100
6) Chloroethane	3.124	64	35986	21.224	ug/l	89
7) Trichlorofluoromethane	3.500	101	66401	17.111	ug/l	94
8) Diethyl Ether	3.953	74	23542	17.561	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	36871	16.869	ug/l	100
10) Methyl Iodide	4.589	142	51008	20.379	ug/l	99
11) Tert butyl alcohol	5.512	59	32221	96.044	ug/l	98
12) 1,1-Dichloroethene	4.342	96	37081	19.036	ug/l	82
13) Acrolein	4.177	56	27367	59.758	ug/l	93
14) Allyl chloride	5.024	41	46562	14.731	ug/l	96
15) Acrylonitrile	5.718	53	97815	91.794	ug/l	99
16) Acetone	4.424	43	77776	82.160	ug/l	93
17) Carbon Disulfide	4.712	76	107556	17.933	ug/l	98
18) Methyl Acetate	5.024	43	49966	17.358	ug/l	93
19) Methyl tert-butyl Ether	5.789	73	118822	18.786	ug/l	94
20) Methylene Chloride	5.277	84	45571	19.446	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	38522	18.504	ug/l	91
22) Diisopropyl ether	6.671	45	119181	16.988	ug/l	97
23) Vinyl Acetate	6.600	43	414332	84.388	ug/l	95
24) 1,1-Dichloroethane	6.565	63	75223	17.584	ug/l	98
25) 2-Butanone	7.477	43	117655	84.457	ug/l	91
26) 2,2-Dichloropropane	7.488	77	56089	16.217	ug/l	95
27) cis-1,2-Dichloroethene	7.483	96	45681	18.630	ug/l	90
28) Bromochloromethane	7.812	49	33173	16.668	ug/l	85
29) Tetrahydrofuran	7.835	42	79667	90.201	ug/l	94
30) Chloroform	7.965	83	78720	17.805	ug/l	97
31) Cyclohexane	8.253	56	55763	14.997	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	66588	17.170	ug/l	95
36) 1,1-Dichloropropene	8.365	75	50974	15.642	ug/l	99
37) Ethyl Acetate	7.559	43	49290	14.985	ug/l	96
38) Carbon Tetrachloride	8.359	117	58399	15.653	ug/l	97
39) Methylcyclohexane	9.594	83	45089	14.724	ug/l	95
40) Benzene	8.600	78	169757	17.337	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	27037	15.799	ug/l	97
42) 1,2-Dichloroethane	8.671	62	57676	15.639	ug/l	98
43) Isopropyl Acetate	8.682	43	109774	20.827	ug/l	93
44) Trichloroethene	9.347	130	36570	16.044	ug/l	96
45) 1,2-Dichloropropane	9.618	63	41273	16.502	ug/l	100
46) Dibromomethane	9.706	93	30609	16.961	ug/l	98
47) Bromodichloromethane	9.882	83	61145	16.630	ug/l	96
48) Methyl methacrylate	9.677	41	35190	14.836	ug/l	87
49) 1,4-Dioxane	9.688	88	15229	381.271	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	249764	81.663	ug/l	95
52) Toluene	10.629	92	100096	17.643	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	58088	16.718	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	62392	16.811	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	40771	18.158	ug/l	96
56) Ethyl methacrylate	10.871	69	54147	15.694	ug/l	93
57) 1,3-Dichloropropane	11.159	76	68607	17.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	78395	55.020	ug/l	94
59) 2-Hexanone	11.194	43	177162	82.322	ug/l	93
60) Dibromochloromethane	11.359	129	45508	16.788	ug/l	99
61) 1,2-Dibromoethane	11.471	107	39065	17.479	ug/l	100
64) Tetrachloroethene	11.100	164	30760	16.024	ug/l	97
65) Chlorobenzene	11.888	112	107995	17.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	38600	17.050	ug/l	99
67) Ethyl Benzene	11.959	91	167618	16.683	ug/l	99
68) m/p-Xylenes	12.070	106	135190	36.408	ug/l	92
69) o-Xylene	12.394	106	61308	17.277	ug/l	98
70) Styrene	12.412	104	105696	17.997	ug/l	96
71) Bromoform	12.576	173	28856	17.813	ug/l #	96
73) Isopropylbenzene	12.694	105	149350	16.760	ug/l	99
74) N-amyl acetate	12.488	43	64788	16.175	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	57949	18.409	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	50848m	18.947	ug/l	
77) Bromobenzene	12.976	156	39096	16.792	ug/l	98
78) n-propylbenzene	13.035	91	176550	16.736	ug/l	100
79) 2-Chlorotoluene	13.123	91	112811	16.523	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	123263	16.746	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	17823m	17.969	ug/l	
82) 4-Chlorotoluene	13.217	91	115036	16.922	ug/l	100
83) tert-Butylbenzene	13.435	119	99849	16.153	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	124136	16.921	ug/l	96
85) sec-Butylbenzene	13.612	105	138746	16.195	ug/l	100
86) p-Isopropyltoluene	13.723	119	109518	15.527	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	71707	16.724	ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	72715	16.362	ug/l	98
89) n-Butylbenzene	14.053	91	85908	13.978	ug/l	100
90) Hexachloroethane	14.329	117	24825	15.221	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	70085	16.387	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10362	18.027	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	28877	14.528	ug/l	97
94) Hexachlorobutadiene	15.500	225	14410	13.655	ug/l	98
95) Naphthalene	15.641	128	93732	15.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	30710	15.269	ug/l	98

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

