

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086038.D
 Acq On : 21 Mar 2025 14:16
 Operator : JC\MD
 Sample : VN0321WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

Quant Time: Mar 21 22:56:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/24/2025
 Supervised By : Semsettin Yesilyurt 03/24/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111472	49.138	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.280%			
35) Dibromofluoromethane	8.165	113	90254	50.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.160%			
50) Toluene-d8	10.565	98	333039	50.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.847	95	117587	50.414	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	44718	20.374	ug/l	97
3) Chloromethane	2.359	50	38404	19.959	ug/l	100
4) Vinyl Chloride	2.506	62	39425	20.039	ug/l	96
5) Bromomethane	2.953	94	26424	19.718	ug/l	96
6) Chloroethane	3.112	64	25212	20.314	ug/l	89
7) Trichlorofluoromethane	3.495	101	71822	20.308	ug/l	96
8) Diethyl Ether	3.959	74	21442	19.805	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	40581	21.590	ug/l	98
10) Methyl Iodide	4.589	142	49061	20.032	ug/l #	93
11) Tert butyl alcohol	5.518	59	30054	93.572	ug/l	98
12) 1,1-Dichloroethene	4.342	96	35990	21.205	ug/l	96
13) Acrolein	4.183	56	25468	74.344	ug/l	96
14) Allyl chloride	5.018	41	40320	19.042	ug/l	98
15) Acrylonitrile	5.718	53	88471	104.298	ug/l	98
16) Acetone	4.430	43	70665	101.961	ug/l	97
17) Carbon Disulfide	4.712	76	102923	18.439	ug/l	99
18) Methyl Acetate	5.024	43	37012	21.584	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	107914	19.403	ug/l	95
20) Methylene Chloride	5.277	84	42329	20.877	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	38700	20.864	ug/l	94
22) Diisopropyl ether	6.671	45	98876	21.913	ug/l	95
23) Vinyl Acetate	6.600	43	351310	102.706	ug/l	98
24) 1,1-Dichloroethane	6.565	63	69842	21.049	ug/l	98
25) 2-Butanone	7.482	43	102967	102.962	ug/l	99
26) 2,2-Dichloropropane	7.488	77	67968	21.277	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	43376	20.579	ug/l	100
28) Bromochloromethane	7.812	49	25026	17.802	ug/l	93
29) Tetrahydrofuran	7.841	42	69419	112.439	ug/l	99
30) Chloroform	7.965	83	77736	21.196	ug/l	97
31) Cyclohexane	8.253	56	55635	19.682	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	73753	21.244	ug/l	96
36) 1,1-Dichloropropene	8.371	75	50057	21.096	ug/l	99
37) Ethyl Acetate	7.559	43	45227	22.593	ug/l	97
38) Carbon Tetrachloride	8.359	117	67014	21.479	ug/l	96
39) Methylcyclohexane	9.600	83	46214	19.630	ug/l	95
40) Benzene	8.606	78	162359	21.796	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	22922	23.980	ug/l	94
42) 1,2-Dichloroethane	8.665	62	55289	21.302	ug/l	97
43) Isopropyl Acetate	8.682	43	71672	16.522	ug/l	99
44) Trichloroethene	9.347	130	38484	19.934	ug/l	96
45) 1,2-Dichloropropane	9.618	63	38092	22.483	ug/l	96
46) Dibromomethane	9.712	93	29567	22.191	ug/l	100
47) Bromodichloromethane	9.888	83	61741	22.172	ug/l	97
48) Methyl methacrylate	9.682	41	30257	21.137	ug/l	99
49) 1,4-Dioxane	9.688	88	15845	468.247	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	221392	115.724	ug/l	97
52) Toluene	10.629	92	103671	22.676	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	56928	21.051	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	60660	21.260	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	40994	23.493	ug/l	92
56) Ethyl methacrylate	10.871	69	51183	21.321	ug/l	95
57) 1,3-Dichloropropane	11.159	76	63941	21.574	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	93430	103.446	ug/l	98
59) 2-Hexanone	11.194	43	164077	117.729	ug/l	96
60) Dibromochloromethane	11.359	129	50174	22.283	ug/l	99
61) 1,2-Dibromoethane	11.470	107	39752	22.191	ug/l	97
64) Tetrachloroethene	11.100	164	40102	20.925	ug/l	99
65) Chlorobenzene	11.888	112	112159	20.402	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	42909	20.997	ug/l	99
67) Ethyl Benzene	11.959	91	174963	19.896	ug/l	99
68) m/p-Xylenes	12.070	106	145460	42.084	ug/l	99
69) o-Xylene	12.400	106	66608	20.996	ug/l	98
70) Styrene	12.412	104	114658	21.161	ug/l	99
71) Bromoform	12.576	173	36665	21.462	ug/l #	98
73) Isopropylbenzene	12.694	105	163559	19.128	ug/l	100
74) N-amyl acetate	12.494	43	56434	19.727	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58157	20.104	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	57942m	20.669	ug/l	
77) Bromobenzene	12.982	156	46938	19.687	ug/l	99
78) n-propylbenzene	13.035	91	198861	20.539	ug/l	99
79) 2-Chlorotoluene	13.123	91	129802	20.183	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	145703	20.183	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	20219	19.069	ug/l	91
82) 4-Chlorotoluene	13.217	91	133793	20.230	ug/l	98
83) tert-Butylbenzene	13.435	119	113852	18.440	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	149453	20.525	ug/l	99
85) sec-Butylbenzene	13.612	105	164004	20.362	ug/l	99
86) p-Isopropyltoluene	13.729	119	134977	19.796	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	85795	19.963	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	83605	18.516	ug/l	97
89) n-Butylbenzene	14.053	91	103000	18.551	ug/l	98
90) Hexachloroethane	14.329	117	30365	19.301	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	81203	19.007	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11288	19.548	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	35239	16.404	ug/l	96
94) Hexachlorobutadiene	15.500	225	22023	17.671	ug/l	98
95) Naphthalene	15.641	128	96781	15.559	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	36298	17.807	ug/l	99

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

