

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086125.D
 Acq On : 26 Mar 2025 14:47
 Operator : JC\MD
 Sample : VN0326WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

Quant Time: Mar 27 01:37:27 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	155201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129661	61.010	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.020%			
35) Dibromofluoromethane	8.165	113	108827	59.468	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.940%			
50) Toluene-d8	10.565	98	404373	60.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 121.760%#			
62) 4-Bromofluorobenzene	12.847	95	144423	60.973	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 121.940%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44697	21.738	ug/l	98
3) Chloromethane	2.359	50	45033	24.983	ug/l	99
4) Vinyl Chloride	2.512	62	48332	26.223	ug/l	98
5) Bromomethane	2.959	94	30604	24.377	ug/l	98
6) Chloroethane	3.124	64	29902	25.717	ug/l	96
7) Trichlorofluoromethane	3.501	101	74295	22.424	ug/l	97
8) Diethyl Ether	3.965	74	22821	22.500	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.365	101	41476	23.554	ug/l	99
10) Methyl Iodide	4.589	142	52534	22.896	ug/l	99
11) Tert butyl alcohol	5.530	59	32542	108.151	ug/l	99
12) 1,1-Dichloroethene	4.342	96	36617	23.029	ug/l	92
13) Acrolein	4.177	56	22610	70.452	ug/l	92
14) Allyl chloride	5.024	41	43861	22.111	ug/l	99
15) Acrylonitrile	5.718	53	98531	123.991	ug/l	99
16) Acetone	4.430	43	73478	113.169	ug/l	99
17) Carbon Disulfide	4.712	76	105255	20.129	ug/l	99
18) Methyl Acetate	5.024	43	45678	28.435	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	119074	22.853	ug/l	96
20) Methylene Chloride	5.271	84	45921	24.176	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	39398	22.673	ug/l	94
22) Diisopropyl ether	6.671	45	113482	26.846	ug/l	98
23) Vinyl Acetate	6.600	43	382931	119.500	ug/l	96
24) 1,1-Dichloroethane	6.571	63	74621	24.006	ug/l	97
25) 2-Butanone	7.483	43	111515	119.030	ug/l	94
26) 2,2-Dichloropropane	7.483	77	67215	22.460	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	46713	23.657	ug/l	99
28) Bromochloromethane	7.812	49	30750	23.349	ug/l	91
29) Tetrahydrofuran	7.841	42	74621	129.015	ug/l	96
30) Chloroform	7.965	83	81172	23.625	ug/l	99
31) Cyclohexane	8.253	56	59515	22.475	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	74486	22.902	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53578	22.235	ug/l	98
37) Ethyl Acetate	7.559	43	47081	23.160	ug/l	100
38) Carbon Tetrachloride	8.359	117	68367	21.578	ug/l	98
39) Methylcyclohexane	9.600	83	49642	20.764	ug/l	92
40) Benzene	8.600	78	173346	22.916	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23067	23.763	ug/l	95
42) 1,2-Dichloroethane	8.671	62	58115	22.048	ug/l	99
43) Isopropyl Acetate	8.688	43	84593	19.203	ug/l	94
44) Trichloroethene	9.347	130	41401	21.117	ug/l	96
45) 1,2-Dichloropropane	9.618	63	42307	24.590	ug/l	95
46) Dibromomethane	9.706	93	30533	22.566	ug/l	99
47) Bromodichloromethane	9.882	83	65556	23.182	ug/l	99
48) Methyl methacrylate	9.682	41	32092	22.077	ug/l	97
49) 1,4-Dioxane	9.694	88	16102	468.571	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	246520	126.890	ug/l	96
52) Toluene	10.629	92	109935	23.679	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	60727	22.112	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	66480	22.944	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	43495	24.545	ug/l	95
56) Ethyl methacrylate	10.871	69	58328	23.658	ug/l	96
57) 1,3-Dichloropropane	11.165	76	71064	23.611	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	101287	109.615	ug/l	97
59) 2-Hexanone	11.194	43	173606	122.663	ug/l	98
60) Dibromochloromethane	11.359	129	51819	22.662	ug/l	99
61) 1,2-Dibromoethane	11.465	107	42076	23.129	ug/l	98
64) Tetrachloroethene	11.100	164	43453	22.520	ug/l	97
65) Chlorobenzene	11.888	112	119713	21.629	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	45423	22.077	ug/l	98
67) Ethyl Benzene	11.959	91	194479	21.966	ug/l	99
68) m/p-Xylenes	12.071	106	154723	44.462	ug/l	97
69) o-Xylene	12.394	106	74692	23.386	ug/l	98
70) Styrene	12.412	104	124534	22.828	ug/l	98
71) Bromoform	12.576	173	35412	20.589	ug/l #	95
73) Isopropylbenzene	12.694	105	185206	22.459	ug/l	99
74) N-amyl acetate	12.494	43	62759	22.747	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	60393	21.647	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	59113m	21.865	ug/l	
77) Bromobenzene	12.982	156	49462	21.511	ug/l	98
78) n-propylbenzene	13.035	91	214885	23.012	ug/l	99
79) 2-Chlorotoluene	13.123	91	138581	22.343	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	155095	22.276	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	22384	21.890	ug/l	89
82) 4-Chlorotoluene	13.218	91	138066	21.647	ug/l	98
83) tert-Butylbenzene	13.435	119	127710	21.447	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	161477	22.995	ug/l	100
85) sec-Butylbenzene	13.612	105	176288	22.694	ug/l	100
86) p-Isopropyltoluene	13.729	119	148697	22.613	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	88280	21.299	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	87772	20.156	ug/l	97
89) n-Butylbenzene	14.053	91	121641	22.716	ug/l	100
90) Hexachloroethane	14.329	117	32122	21.171	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	88628	21.510	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11954	21.465	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	42089	20.316	ug/l	96
94) Hexachlorobutadiene	15.500	225	21921	18.238	ug/l	99
95) Naphthalene	15.635	128	132247	22.045	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	41094	20.904	ug/l	97

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

