

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086028.D
 Acq On : 20 Mar 2025 16:36
 Operator : JC\MD
 Sample : VN0320WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:21:02 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	8.218	168	171117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114192	48.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.460%		
35) Dibromofluoromethane	8.165	113	93081	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	10.565	98	339751	49.334	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.847	95	116857	47.580	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	40788	17.992	ug/l	98
3) Chloromethane	2.359	50	34424	17.321	ug/l	96
4) Vinyl Chloride	2.512	62	36961	18.189	ug/l	99
5) Bromomethane	2.959	94	24991	18.055	ug/l	100
6) Chloroethane	3.118	64	22106	17.244	ug/l	94
7) Trichlorofluoromethane	3.500	101	67878	18.582	ug/l	92
8) Diethyl Ether	3.953	74	19131	17.107	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	36026	18.556	ug/l	100
10) Methyl Iodide	4.589	142	46574	18.411	ug/l #	90
11) Tert butyl alcohol	5.518	59	24223	73.015	ug/l	97
12) 1,1-Dichloroethene	4.347	96	32869	18.749	ug/l	98
13) Acrolein	4.183	56	27862	78.742	ug/l	94
14) Allyl chloride	5.018	41	38175	17.455	ug/l	98
15) Acrylonitrile	5.712	53	77726	88.713	ug/l	99
16) Acetone	4.430	43	58247	81.366	ug/l	96
17) Carbon Disulfide	4.712	76	99289	17.222	ug/l	96
18) Methyl Acetate	5.018	43	30849	17.417	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	103405	18.000	ug/l	94
20) Methylene Chloride	5.271	84	39753	18.982	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	35941	18.760	ug/l	99
22) Diisopropyl ether	6.671	45	92770	19.905	ug/l	96
23) Vinyl Acetate	6.600	43	321200	90.913	ug/l	98
24) 1,1-Dichloroethane	6.565	63	66362	19.363	ug/l	95
25) 2-Butanone	7.482	43	88358	85.540	ug/l	99
26) 2,2-Dichloropropane	7.488	77	62895	19.062	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	41239	18.942	ug/l	97
28) Bromochloromethane	7.806	49	26081	17.962	ug/l	96
29) Tetrahydrofuran	7.835	42	54165	84.938	ug/l	96
30) Chloroform	7.965	83	75179	19.846	ug/l	96
31) Cyclohexane	8.253	56	52284	17.908	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	69944	19.505	ug/l	98
36) 1,1-Dichloropropene	8.371	75	47696	19.089	ug/l	99
37) Ethyl Acetate	7.559	43	36839	17.476	ug/l	99
38) Carbon Tetrachloride	8.359	117	64805	19.726	ug/l	97
39) Methylcyclohexane	9.594	83	41695	16.820	ug/l	97
40) Benzene	8.600	78	155530	19.829	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	18900	18.777	ug/l	96
42) 1,2-Dichloroethane	8.665	62	52550	19.227	ug/l	100
43) Isopropyl Acetate	8.688	43	63848	13.978	ug/l	98
44) Trichloroethene	9.353	130	37162	18.280	ug/l	96
45) 1,2-Dichloropropane	9.618	63	36125	20.249	ug/l	94
46) Dibromomethane	9.706	93	27917	19.898	ug/l	99
47) Bromodichloromethane	9.888	83	58065	19.803	ug/l	99
48) Methyl methacrylate	9.676	41	26405	17.518	ug/l	96
49) 1,4-Dioxane	9.694	88	13183	369.975	ug/l	90
51) 4-Methyl-2-Pentanone	10.441	43	187389	93.021	ug/l	98
52) Toluene	10.629	92	98294	20.418	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	52472	18.426	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	56434	18.783	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	37011	20.143	ug/l	97
56) Ethyl methacrylate	10.870	69	46423	18.614	ug/l	99
57) 1,3-Dichloropropane	11.159	76	58678	18.802	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	87505	93.210	ug/l	99
59) 2-Hexanone	11.194	43	134672	91.768	ug/l	96
60) Dibromochloromethane	11.359	129	47443	20.010	ug/l	98
61) 1,2-Dibromoethane	11.470	107	36543	19.373	ug/l	98
64) Tetrachloroethene	11.100	164	38863	19.990	ug/l	99
65) Chlorobenzene	11.888	112	104393	18.719	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	41240	19.893	ug/l	98
67) Ethyl Benzene	11.959	91	169330	18.981	ug/l	97
68) m/p-Xylenes	12.070	106	139334	39.738	ug/l	100
69) o-Xylene	12.400	106	62606	19.454	ug/l	99
70) Styrene	12.406	104	108240	19.692	ug/l	98
71) Bromoform	12.576	173	32436	18.716	ug/l #	99
73) Isopropylbenzene	12.694	105	152447	17.603	ug/l	98
74) N-amyl acetate	12.494	43	50373	17.385	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	51839	17.693	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	50960m	17.949	ug/l	
77) Bromobenzene	12.976	156	43832	18.151	ug/l	98
78) n-propylbenzene	13.035	91	187385	19.108	ug/l	99
79) 2-Chlorotoluene	13.123	91	120542	18.506	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	140959	19.278	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16899	15.736	ug/l	91
82) 4-Chlorotoluene	13.217	91	127029	18.964	ug/l	100
83) tert-Butylbenzene	13.435	119	109792	17.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	142424	19.312	ug/l	100
85) sec-Butylbenzene	13.611	105	152762	18.726	ug/l	99
86) p-Isopropyltoluene	13.729	119	128562	18.617	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	80744	18.550	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	82641	18.070	ug/l	98
89) n-Butylbenzene	14.053	91	96953	17.241	ug/l	98
90) Hexachloroethane	14.329	117	28124	17.650	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	77034	17.803	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9928	16.975	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	33982	15.619	ug/l	99
94) Hexachlorobutadiene	15.500	225	20685	16.387	ug/l	98
95) Naphthalene	15.635	128	84566	13.423	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	33796	16.370	ug/l	98

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

