

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086129.D
 Acq On : 26 Mar 2025 16:24
 Operator : JC\MD
 Sample : VN0326WBS03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS03

Manual Integrations
 APPROVED

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

Quant Time: Mar 27 01:40:01 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	220450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	354144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147036	48.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.420%		
35) Dibromofluoromethane	8.165	113	122307	49.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.960%		
50) Toluene-d8	10.565	98	465445	51.882	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.760%		
62) 4-Bromofluorobenzene	12.847	95	168363	52.623	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	126056	43.161	ug/l	99
3) Chloromethane	2.359	50	122879	47.992	ug/l	99
4) Vinyl Chloride	2.512	62	136825	52.264	ug/l	98
5) Bromomethane	2.948	94	82517	46.273	ug/l	93
6) Chloroethane	3.118	64	84400	51.104	ug/l	99
7) Trichlorofluoromethane	3.495	101	210285	44.683	ug/l	97
8) Diethyl Ether	3.959	74	71232	49.443	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	122356	48.919	ug/l	98
10) Methyl Iodide	4.583	142	154817	47.504	ug/l	98
11) Tert butyl alcohol	5.518	59	86083	201.413	ug/l	96
12) 1,1-Dichloroethene	4.342	96	112278	49.713	ug/l	97
13) Acrolein	4.177	56	59398	130.301	ug/l	96
14) Allyl chloride	5.024	41	148540	52.719	ug/l	96
15) Acrylonitrile	5.712	53	282966	250.690	ug/l	98
16) Acetone	4.424	43	205776	223.125	ug/l	97
17) Carbon Disulfide	4.712	76	312362	42.055	ug/l	97
18) Methyl Acetate	5.018	43	125360	54.939	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	381476	51.545	ug/l	98
20) Methylene Chloride	5.271	84	132081	48.956	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	120642	48.878	ug/l	97
22) Diisopropyl ether	6.671	45	341408	56.861	ug/l	98
23) Vinyl Acetate	6.600	43	1224524	269.030	ug/l	98
24) 1,1-Dichloroethane	6.565	63	222521	50.398	ug/l	99
25) 2-Butanone	7.483	43	323586	243.162	ug/l	94
26) 2,2-Dichloropropane	7.489	77	206211	48.511	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	143040	50.999	ug/l	97
28) Bromochloromethane	7.812	49	102800	54.954	ug/l	92
29) Tetrahydrofuran	7.841	42	221744	269.908	ug/l	95
30) Chloroform	7.965	83	237314	48.627	ug/l	99
31) Cyclohexane	8.253	56	182597	48.546	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	221624	47.974	ug/l	99
36) 1,1-Dichloropropene	8.371	75	165593	50.876	ug/l	99
37) Ethyl Acetate	7.553	43	135385	49.304	ug/l	98
38) Carbon Tetrachloride	8.359	117	202230	47.254	ug/l	96
39) Methylcyclohexane	9.600	83	165919	51.380	ug/l	95
40) Benzene	8.600	78	521423	51.031	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	74789	57.039	ug/l	92
42) 1,2-Dichloroethane	8.665	62	164648	46.245	ug/l	98
43) Isopropyl Acetate	8.683	43	236568	39.757	ug/l	97
44) Trichloroethene	9.353	130	119759	45.223	ug/l	95
45) 1,2-Dichloropropane	9.618	63	126148	54.281	ug/l	98
46) Dibromomethane	9.706	93	89813	49.141	ug/l	98
47) Bromodichloromethane	9.882	83	190774	49.945	ug/l	97
48) Methyl methacrylate	9.677	41	105333	53.645	ug/l	98
49) 1,4-Dioxane	9.694	88	43986	947.626	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	713740	271.983	ug/l	97
52) Toluene	10.629	92	332420	53.008	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	189530	51.092	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	206087	52.656	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	124943	52.200	ug/l	96
56) Ethyl methacrylate	10.871	69	189092	50.535	ug/l	98
57) 1,3-Dichloropropane	11.159	76	210046	51.667	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	453674	303.804	ug/l	97
59) 2-Hexanone	11.194	43	512006	267.825	ug/l	97
60) Dibromochloromethane	11.359	129	153284	49.629	ug/l	97
61) 1,2-Dibromoethane	11.465	107	123870	50.410	ug/l	97
64) Tetrachloroethene	11.100	164	122569	47.415	ug/l	99
65) Chlorobenzene	11.888	112	354032	47.744	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	132166	47.947	ug/l	98
67) Ethyl Benzene	11.959	91	617220	52.035	ug/l	99
68) m/p-Xylenes	12.071	106	494834	106.138	ug/l	98
69) o-Xylene	12.394	106	231504	54.103	ug/l	98
70) Styrene	12.412	104	396450	54.244	ug/l	98
71) Bromoform	12.576	173	107151	46.500	ug/l #	100
73) Isopropylbenzene	12.694	105	578404	49.596	ug/l	99
74) N-amyl acetate	12.488	43	197982	50.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	176056	44.622	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	168683m	44.118	ug/l	
77) Bromobenzene	12.976	156	147609	45.392	ug/l	99
78) n-propylbenzene	13.035	91	687535	52.063	ug/l	98
79) 2-Chlorotoluene	13.123	91	428283	48.826	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	507224	51.514	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	70996	49.092	ug/l	94
82) 4-Chlorotoluene	13.218	91	437474	48.499	ug/l	98
83) tert-Butylbenzene	13.435	119	410309	48.723	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	516457	52.004	ug/l	100
85) sec-Butylbenzene	13.612	105	573679	52.220	ug/l	100
86) p-Isopropyltoluene	13.729	119	488648	52.545	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	278768	47.558	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	272468	44.242	ug/l	100
89) n-Butylbenzene	14.053	91	392516	51.832	ug/l	99
90) Hexachloroethane	14.329	117	94783	44.171	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	268310	46.046	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	34951	44.377	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	128657	43.911	ug/l	99
94) Hexachlorobutadiene	15.500	225	67567	39.749	ug/l	100
95) Naphthalene	15.635	128	383416	45.193	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	128041	46.056	ug/l	99

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

