

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086593.D
 Acq On : 13 May 2025 11:45
 Operator : JC\MD
 Sample : VN0513WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Quant Time: May 14 01:39:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	206275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	368128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	139858	46.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.520%		
35) Dibromofluoromethane	8.165	113	107537	62.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	125.880%#		
50) Toluene-d8	10.565	98	451956	49.496	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	12.847	95	162645	48.834	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48782	19.950	ug/l	99
3) Chloromethane	2.359	50	65226	18.354	ug/l	98
4) Vinyl Chloride	2.512	62	61222	18.053	ug/l	98
5) Bromomethane	2.953	94	35204	23.078	ug/l	98
6) Chloroethane	3.124	64	40549	17.865	ug/l	96
7) Trichlorofluoromethane	3.500	101	71504	19.035	ug/l	94
8) Diethyl Ether	3.965	74	28055	17.108	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	43136	18.982	ug/l	97
10) Methyl Iodide	4.583	142	51210	20.497	ug/l	99
11) Tert butyl alcohol	5.518	59	46015	84.313	ug/l	98
12) 1,1-Dichloroethene	4.341	96	43972	18.112	ug/l	98
13) Acrolein	4.183	56	30066	109.673	ug/l	97
14) Allyl chloride	5.024	41	63580	14.731	ug/l	96
15) Acrylonitrile	5.718	53	116444	86.309	ug/l	99
16) Acetone	4.424	43	93999	87.176	ug/l	96
17) Carbon Disulfide	4.712	76	118565	16.310	ug/l	98
18) Methyl Acetate	5.024	43	53299	14.844	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	152495	17.087	ug/l	98
20) Methylene Chloride	5.277	84	52169	18.866	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	46696	18.397	ug/l	91
22) Diisopropyl ether	6.671	45	153072	16.304	ug/l #	96
23) Vinyl Acetate	6.600	43	569803	86.818	ug/l	98
24) 1,1-Dichloroethane	6.565	63	87631	17.690	ug/l	99
25) 2-Butanone	7.477	43	152064	81.674	ug/l	98
26) 2,2-Dichloropropane	7.488	77	76500	17.248	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	56944	18.075	ug/l	94
28) Bromochloromethane	7.812	49	36405	17.332	ug/l	89
29) Tetrahydrofuran	7.835	42	100298	80.559	ug/l	95
30) Chloroform	7.959	83	88918	18.272	ug/l	99
31) Cyclohexane	8.253	56	79478	16.396	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	77979	18.732	ug/l	92
36) 1,1-Dichloropropene	8.371	75	62210	18.230	ug/l	97
37) Ethyl Acetate	7.559	43	63441	17.658	ug/l	99
38) Carbon Tetrachloride	8.359	117	63962	19.682	ug/l	98
39) Methylcyclohexane	9.600	83	69276	17.079	ug/l	97
40) Benzene	8.606	78	205908	18.833	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	35349	16.977	ug/l	98
42) 1,2-Dichloroethane	8.671	62	67949	19.488	ug/l	99
43) Isopropyl Acetate	8.682	43	123787	17.738	ug/l	97
44) Trichloroethene	9.347	130	50269	19.398	ug/l	96
45) 1,2-Dichloropropane	9.618	63	50281	18.787	ug/l	99
46) Dibromomethane	9.706	93	34151	20.027	ug/l	96
47) Bromodichloromethane	9.888	83	70548	19.155	ug/l	96
48) Methyl methacrylate	9.676	41	51376	16.284	ug/l	96
49) 1,4-Dioxane	9.694	88	20995	391.219	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	327272	88.959	ug/l	98
52) Toluene	10.629	92	134393	19.699	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	76479	18.603	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	81090	17.958	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	48425	19.729	ug/l	97
56) Ethyl methacrylate	10.870	69	79393	17.596	ug/l	98
57) 1,3-Dichloropropane	11.159	76	83488	19.171	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	166139	77.581	ug/l	98
59) 2-Hexanone	11.194	43	241488	88.497	ug/l	98
60) Dibromochloromethane	11.359	129	52941	19.642	ug/l	99
61) 1,2-Dibromoethane	11.465	107	49943	20.165	ug/l	99
64) Tetrachloroethene	11.100	164	48313	18.943	ug/l	96
65) Chlorobenzene	11.888	112	147057	19.874	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	47917	19.630	ug/l	100
67) Ethyl Benzene	11.959	91	257076	19.253	ug/l	100
68) m/p-Xylenes	12.065	106	198193	39.614	ug/l	96
69) o-Xylene	12.394	106	98359	19.880	ug/l	96
70) Styrene	12.406	104	161579	19.600	ug/l	98
71) Bromoform	12.576	173	35369	19.245	ug/l #	99
73) Isopropylbenzene	12.694	105	234979	19.124	ug/l	100
74) N-amyl acetate	12.488	43	102753	16.798	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	71932	20.361	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	65713m	18.539	ug/l	
77) Bromobenzene	12.976	156	57805	21.232	ug/l	92
78) n-propylbenzene	13.029	91	273203	18.869	ug/l	100
79) 2-Chlorotoluene	13.123	91	175413	19.361	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	193448	19.236	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	25902m	17.550	ug/l	
82) 4-Chlorotoluene	13.217	91	172092	19.122	ug/l	97
83) tert-Butylbenzene	13.435	119	164102	18.832	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	192860	18.840	ug/l	100
85) sec-Butylbenzene	13.611	105	224807	18.600	ug/l	98
86) p-Isopropyltoluene	13.723	119	185419	18.612	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	101704	19.872	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	101847	19.758	ug/l	99
89) n-Butylbenzene	14.053	91	152980	17.324	ug/l	99
90) Hexachloroethane	14.329	117	32269	19.257	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	96991	19.547	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12459	17.490	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	41546	17.486	ug/l	98
94) Hexachlorobutadiene	15.494	225	16054	17.900	ug/l	99
95) Naphthalene	15.635	128	138573	16.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	39351	17.494	ug/l	100

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

