

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086205.D
 Acq On : 02 Apr 2025 13:45
 Operator : JC\MD
 Sample : VN0402WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:35:04 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	119576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	191599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	173306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	88008	53.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.500%			
35) Dibromofluoromethane	8.165	113	61935	46.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.620%			
50) Toluene-d8	10.565	98	232720	47.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.847	95	91340	52.769	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33680	21.260	ug/l	97
3) Chloromethane	2.365	50	25387	18.280	ug/l	95
4) Vinyl Chloride	2.512	62	27988	19.710	ug/l	97
5) Bromomethane	2.965	94	15720	16.252	ug/l	96
6) Chloroethane	3.118	64	17243	19.248	ug/l	98
7) Trichlorofluoromethane	3.500	101	52127	20.421	ug/l	100
8) Diethyl Ether	3.959	74	13281	16.995	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	25526	18.815	ug/l	98
10) Methyl Iodide	4.589	142	29336	16.595	ug/l #	83
11) Tert butyl alcohol	5.524	59	21697	93.591	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	21926	17.898	ug/l	97
13) Acrolein	4.177	56	3411	13.795	ug/l	94
14) Allyl chloride	5.024	41	23970	15.684	ug/l	90
15) Acrylonitrile	5.706	53	50129	81.876	ug/l	99
16) Acetone	4.430	43	46356	92.667	ug/l	95
17) Carbon Disulfide	4.712	76	63086	15.659	ug/l	98
18) Methyl Acetate	5.018	43	27883	22.528	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	76743	19.117	ug/l	98
20) Methylene Chloride	5.271	84	25386	17.347	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	23806	17.782	ug/l	86
22) Diisopropyl ether	6.671	45	56209	17.259	ug/l	93
23) Vinyl Acetate	6.600	43	210663	85.327	ug/l	98
24) 1,1-Dichloroethane	6.565	63	42168	17.607	ug/l	98
25) 2-Butanone	7.482	43	61305	84.931	ug/l	92
26) 2,2-Dichloropropane	7.488	77	46805	20.300	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	28098	18.469	ug/l	96
28) Bromochloromethane	7.812	49	17832	17.574	ug/l	97
29) Tetrahydrofuran	7.841	42	37834	84.901	ug/l	90
30) Chloroform	7.965	83	51281	19.372	ug/l	99
31) Cyclohexane	8.253	56	34890	17.101	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	52743	21.048	ug/l	97
36) 1,1-Dichloropropene	8.371	75	33719	19.148	ug/l	98
37) Ethyl Acetate	7.559	43	25134	16.918	ug/l	98
38) Carbon Tetrachloride	8.359	117	47451	20.494	ug/l	98
39) Methylcyclohexane	9.600	83	33207	19.007	ug/l	97
40) Benzene	8.600	78	101279	18.321	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	13457	18.970	ug/l	96
42) 1,2-Dichloroethane	8.671	62	39960	20.746	ug/l	98
43) Isopropyl Acetate	8.682	43	63592m	19.754	ug/l	
44) Trichloroethene	9.353	130	28195	19.679	ug/l	100
45) 1,2-Dichloropropane	9.618	63	22543	17.929	ug/l	97
46) Dibromomethane	9.706	93	19286	19.505	ug/l	96
47) Bromodichloromethane	9.888	83	40631	19.661	ug/l	97
48) Methyl methacrylate	9.676	41	19971	18.800	ug/l	95
49) 1,4-Dioxane	9.688	88	9478	377.421	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	132566	93.373	ug/l	99
52) Toluene	10.623	92	67162	19.795	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	39484	19.674	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	40108	18.941	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	24722	19.091	ug/l	97
56) Ethyl methacrylate	10.871	69	34311	19.439	ug/l	98
57) 1,3-Dichloropropane	11.159	76	41021	18.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	70765	105.335	ug/l	95
59) 2-Hexanone	11.194	43	98784	95.510	ug/l	96
60) Dibromochloromethane	11.359	129	31909	19.096	ug/l	96
61) 1,2-Dibromoethane	11.465	107	26460	19.903	ug/l	98
64) Tetrachloroethene	11.106	164	29570	21.389	ug/l	94
65) Chlorobenzene	11.888	112	74487	18.783	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	29076	19.723	ug/l	98
67) Ethyl Benzene	11.959	91	122433	19.300	ug/l	100
68) m/p-Xylenes	12.070	106	97893	39.262	ug/l	99
69) o-Xylene	12.394	106	46323	20.242	ug/l	100
70) Styrene	12.412	104	79597	20.364	ug/l	98
71) Bromoform	12.576	173	22915	18.594	ug/l #	99
73) Isopropylbenzene	12.694	105	118770	18.510	ug/l	100
74) N-amyl acetate	12.494	43	37339	17.393	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	33179	15.284	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	34509m	16.405	ug/l	
77) Bromobenzene	12.976	156	31921	17.841	ug/l	95
78) n-propylbenzene	13.035	91	133857	18.423	ug/l	100
79) 2-Chlorotoluene	13.123	91	90937	18.843	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	107699	19.880	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	14912	18.742	ug/l	99
82) 4-Chlorotoluene	13.217	91	91390	18.415	ug/l	97
83) tert-Butylbenzene	13.435	119	92123	19.883	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	112772	20.639	ug/l	98
85) sec-Butylbenzene	13.611	105	114755	18.986	ug/l	98
86) p-Isopropyltoluene	13.723	119	100100	19.564	ug/l	96
87) 1,3-Dichlorobenzene	13.729	146	58487	18.136	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	59408	17.533	ug/l	98
89) n-Butylbenzene	14.053	91	76292	18.311	ug/l	99
90) Hexachloroethane	14.335	117	18898	16.007	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	56802	17.718	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	9079	20.952	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	31442	19.505	ug/l	96
94) Hexachlorobutadiene	15.500	225	16450	17.589	ug/l	97
95) Naphthalene	15.635	128	97985	20.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	30364	19.851	ug/l	98

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

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