

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086289.D
 Acq On : 16 Apr 2025 11:52
 Operator : JC\MD
 Sample : VN0416WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

Quant Time: Apr 17 03:05:46 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

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	282564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	522491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	460155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	207315	50.596	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.200%			
35) Dibromofluoromethane	8.165	113	122233	50.406	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	10.565	98	658487	50.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.847	95	235301	49.777	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	62834	18.759	ug/l	98
3) Chloromethane	2.359	50	83619	17.177	ug/l	99
4) Vinyl Chloride	2.512	62	82618	17.784	ug/l	99
5) Bromomethane	2.959	94	41141	19.688	ug/l	99
6) Chloroethane	3.118	64	53710	17.275	ug/l	99
7) Trichlorofluoromethane	3.501	101	91973	17.873	ug/l	96
8) Diethyl Ether	3.959	74	40364	17.968	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	56567	18.172	ug/l	99
10) Methyl Iodide	4.583	142	66719	19.495	ug/l	100
11) Tert butyl alcohol	5.512	59	69597	93.093	ug/l	99
12) 1,1-Dichloroethene	4.342	96	56875	17.101	ug/l	90
13) Acrolein	4.183	56	33709	86.849	ug/l	98
14) Allyl chloride	5.024	41	108413	18.337	ug/l	93
15) Acrylonitrile	5.712	53	169017	91.453	ug/l	100
16) Acetone	4.424	43	149040	101.823	ug/l	99
17) Carbon Disulfide	4.712	76	167280	16.798	ug/l	97
18) Methyl Acetate	5.018	43	85073	17.297	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	213988	17.504	ug/l	99
20) Methylene Chloride	5.277	84	64725	17.087	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	60388	17.368	ug/l	98
22) Diisopropyl ether	6.665	45	221304	17.207	ug/l	99
23) Vinyl Acetate	6.600	43	799295	88.904	ug/l	100
24) 1,1-Dichloroethane	6.565	63	120270	17.724	ug/l	99
25) 2-Butanone	7.477	43	238212	93.400	ug/l	99
26) 2,2-Dichloropropane	7.489	77	111024	18.273	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	75460	17.486	ug/l	98
28) Bromochloromethane	7.812	49	72980	25.364	ug/l	99
29) Tetrahydrofuran	7.836	42	150252	88.099	ug/l	99
30) Chloroform	7.965	83	116681	17.504	ug/l	100
31) Cyclohexane	8.253	56	116431	17.534	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	101815	17.854	ug/l	99
36) 1,1-Dichloropropene	8.371	75	87429	18.051	ug/l	99
37) Ethyl Acetate	7.553	43	90455	17.739	ug/l	98
38) Carbon Tetrachloride	8.359	117	82737	17.938	ug/l	100
39) Methylcyclohexane	9.600	83	104143	18.090	ug/l	99
40) Benzene	8.600	78	278025	17.916	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	51131	17.301	ug/l	97
42) 1,2-Dichloroethane	8.665	62	87802	17.743	ug/l	100
43) Isopropyl Acetate	8.683	43	172068	17.329	ug/l	99
44) Trichloroethene	9.347	130	66974	18.209	ug/l	98
45) 1,2-Dichloropropane	9.618	63	67554	17.784	ug/l	98
46) Dibromomethane	9.706	93	44348	18.324	ug/l	99
47) Bromodichloromethane	9.883	83	94506	18.079	ug/l	97
48) Methyl methacrylate	9.677	41	76692	17.127	ug/l	97
49) 1,4-Dioxane	9.694	88	27492	360.936	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	469595	89.934	ug/l	99
52) Toluene	10.624	92	174573	18.029	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	105914	18.151	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	113584	17.722	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	62343	17.895	ug/l	99
56) Ethyl methacrylate	10.871	69	113753	17.763	ug/l	99
57) 1,3-Dichloropropane	11.159	76	110884	17.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	225469	74.181	ug/l	100
59) 2-Hexanone	11.194	43	358683	92.611	ug/l	100
60) Dibromochloromethane	11.353	129	69031	18.045	ug/l	100
61) 1,2-Dibromoethane	11.465	107	63744	18.134	ug/l	99
64) Tetrachloroethene	11.100	164	65974	18.639	ug/l	98
65) Chlorobenzene	11.888	112	184055	17.923	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	60477	17.852	ug/l	99
67) Ethyl Benzene	11.959	91	332795	17.959	ug/l	99
68) m/p-Xylenes	12.065	106	252292	36.335	ug/l	97
69) o-Xylene	12.394	106	123540	17.991	ug/l	98
70) Styrene	12.412	104	207507	18.137	ug/l	99
71) Bromoform	12.576	173	46081	18.067	ug/l #	98
73) Isopropylbenzene	12.694	105	304303	17.829	ug/l	99
74) N-amyl acetate	12.488	43	139157	16.378	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	83847	17.086	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	84064m	17.073	ug/l	
77) Bromobenzene	12.976	156	67868	17.946	ug/l	99
78) n-propylbenzene	13.035	91	362369	18.018	ug/l	99
79) 2-Chlorotoluene	13.123	91	223889	17.790	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	251187	17.981	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	39861	19.443	ug/l	94
82) 4-Chlorotoluene	13.218	91	222909	17.831	ug/l	99
83) tert-Butylbenzene	13.435	119	220122	18.186	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	254651	17.909	ug/l	99
85) sec-Butylbenzene	13.612	105	304877	18.159	ug/l	100
86) p-Isopropyltoluene	13.723	119	251538	18.177	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	127951	17.998	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	128408	17.933	ug/l	100
89) n-Butylbenzene	14.053	91	227898	18.579	ug/l	100
90) Hexachloroethane	14.329	117	41324	17.753	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	123552	17.926	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	18530	18.727	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	63878	19.355	ug/l	99
94) Hexachlorobutadiene	15.500	225	24374	19.564	ug/l	98
95) Naphthalene	15.635	128	222770	19.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	59442	19.024	ug/l	99

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

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