

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085932.D
 Acq On : 11 Mar 2025 15:28
 Operator : JC\MD
 Sample : VN0311WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/12/2025
 Supervised By : Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:21:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	166815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	102925	47.591	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.180%		
35) Dibromofluoromethane	8.165	113	84117	47.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.260%		
50) Toluene-d8	10.565	98	299527	46.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.220%		
62) 4-Bromofluorobenzene	12.847	95	106317	50.218	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	44409	19.572	ug/l	99
3) Chloromethane	2.359	50	44374	19.489	ug/l	97
4) Vinyl Chloride	2.512	62	42608	17.674	ug/l	97
5) Bromomethane	2.953	94	24991	16.212	ug/l	97
6) Chloroethane	3.118	64	25347	15.873	ug/l	99
7) Trichlorofluoromethane	3.500	101	64484	18.475	ug/l	94
8) Diethyl Ether	3.959	74	20885	18.493	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	38431	19.048	ug/l	98
10) Methyl Iodide	4.588	142	45692	18.373	ug/l	94
11) Tert butyl alcohol	5.518	59	27546	103.558	ug/l #	85
12) 1,1-Dichloroethene	4.341	96	34031	18.603	ug/l	90
13) Acrolein	4.183	56	37037	93.894	ug/l	92
14) Allyl chloride	5.018	41	45313	18.866	ug/l	93
15) Acrylonitrile	5.712	53	89670	103.697	ug/l	98
16) Acetone	4.430	43	68828	100.579	ug/l	99
17) Carbon Disulfide	4.712	76	105501	19.459	ug/l	99
18) Methyl Acetate	5.024	43	40057	17.019	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	104432	19.211	ug/l	96
20) Methylene Chloride	5.271	84	42240	19.194	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	35362	17.952	ug/l	97
22) Diisopropyl ether	6.671	45	110291	20.322	ug/l	96
23) Vinyl Acetate	6.600	43	373467	100.504	ug/l	99
24) 1,1-Dichloroethane	6.571	63	71060	19.261	ug/l	98
25) 2-Butanone	7.482	43	102911	102.220	ug/l	99
26) 2,2-Dichloropropane	7.482	77	59355	18.093	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	41008	17.955	ug/l	96
28) Bromochloromethane	7.812	49	36994	24.397	ug/l	94
29) Tetrahydrofuran	7.835	42	67190	103.352	ug/l	98
30) Chloroform	7.965	83	73399	19.038	ug/l	100
31) Cyclohexane	8.253	56	58750	19.019	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	65410	19.074	ug/l	99
36) 1,1-Dichloropropene	8.371	75	47425	18.974	ug/l	96
37) Ethyl Acetate	7.559	43	46512	22.612	ug/l	98
38) Carbon Tetrachloride	8.359	117	60097	20.235	ug/l	97
39) Methylcyclohexane	9.600	83	44632	18.176	ug/l	91
40) Benzene	8.600	78	158231	19.751	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	23989	21.816	ug/l	97
42) 1,2-Dichloroethane	8.671	62	52687	20.191	ug/l	99
43) Isopropyl Acetate	8.688	43	73303	19.978	ug/l	99
44) Trichloroethene	9.347	130	35475	18.035	ug/l	97
45) 1,2-Dichloropropane	9.612	63	39256	20.301	ug/l	97
46) Dibromomethane	9.706	93	27667	20.284	ug/l	96
47) Bromodichloromethane	9.882	83	57554	19.722	ug/l	98
48) Methyl methacrylate	9.676	41	31149	20.391	ug/l	99
49) 1,4-Dioxane	9.688	88	12981	446.857	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	217937	109.892	ug/l	98
52) Toluene	10.629	92	97359	20.732	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	54176	20.077	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	59404	20.076	ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	36590	19.597	ug/l	97
56) Ethyl methacrylate	10.870	69	48469	19.676	ug/l	97
57) 1,3-Dichloropropane	11.159	76	62641	20.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	92918	104.180	ug/l	98
59) 2-Hexanone	11.194	43	154345	113.129	ug/l	99
60) Dibromochloromethane	11.359	129	45593	20.971	ug/l	95
61) 1,2-Dibromoethane	11.465	107	35932	20.368	ug/l	99
64) Tetrachloroethene	11.100	164	34886	18.449	ug/l	94
65) Chlorobenzene	11.888	112	102428	18.318	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	37980	18.897	ug/l	100
67) Ethyl Benzene	11.959	91	164011	18.725	ug/l	99
68) m/p-Xylenes	12.070	106	132245	39.747	ug/l	99
69) o-Xylene	12.400	106	60408	19.107	ug/l	98
70) Styrene	12.412	104	103470	19.049	ug/l	98
71) Bromoform	12.576	173	30578	20.475	ug/l #	99
73) Isopropylbenzene	12.694	105	149903	17.740	ug/l	99
74) N-amyl acetate	12.494	43	56542	18.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53436	18.378	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	51299m	18.724	ug/l	
77) Bromobenzene	12.976	156	41022	17.969	ug/l	93
78) n-propylbenzene	13.035	91	179451	18.544	ug/l	99
79) 2-Chlorotoluene	13.123	91	119913	18.546	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	130459	18.953	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	19541	20.811	ug/l	90
82) 4-Chlorotoluene	13.217	91	122450	19.104	ug/l	99
83) tert-Butylbenzene	13.435	119	102074	17.635	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	131448	19.302	ug/l	99
85) sec-Butylbenzene	13.611	105	145745	17.821	ug/l	99
86) p-Isopropyltoluene	13.729	119	119735	17.268	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	76798	17.956	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	77090	17.586	ug/l	100
89) n-Butylbenzene	14.053	91	95229	16.401	ug/l	96
90) Hexachloroethane	14.329	117	26609	17.180	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	73481	17.866	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9607	17.993	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	31550	16.098	ug/l	99
94) Hexachlorobutadiene	15.494	225	18407	15.454	ug/l	98
95) Naphthalene	15.635	128	82066	15.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	31176	15.845	ug/l	99

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

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