

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085918.D
 Acq On : 10 Mar 2025 16:47
 Operator : JC\MD
 Sample : VN0310WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/11/2025
 Supervised By : Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:38:45 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	183155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116174	48.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.840%		
35) Dibromofluoromethane	8.165	113	93986	47.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.460%		
50) Toluene-d8	10.565	98	339498	46.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.847	95	120107	50.354	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46937	18.841	ug/l	98
3) Chloromethane	2.359	50	47656	19.063	ug/l	94
4) Vinyl Chloride	2.512	62	46041	17.394	ug/l	100
5) Bromomethane	2.959	94	28253	16.693	ug/l	92
6) Chloroethane	3.118	64	28117	16.037	ug/l	96
7) Trichlorofluoromethane	3.495	101	68881	17.974	ug/l	90
8) Diethyl Ether	3.959	74	24195	19.513	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	40512	18.288	ug/l	97
10) Methyl Iodide	4.589	142	50184	18.378	ug/l	97
11) Tert butyl alcohol	5.518	59	26820	91.833	ug/l #	92
12) 1,1-Dichloroethene	4.336	96	37035	18.439	ug/l	98
13) Acrolein	4.177	56	35598	82.195	ug/l	99
14) Allyl chloride	5.030	41	50406	19.114	ug/l	94
15) Acrylonitrile	5.718	53	96295	101.423	ug/l	97
16) Acetone	4.424	43	67637	90.021	ug/l	88
17) Carbon Disulfide	4.718	76	117279	19.702	ug/l	97
18) Methyl Acetate	5.030	43	42724	16.532	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	117363	19.664	ug/l	99
20) Methylene Chloride	5.283	84	44771	18.529	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	39722	18.367	ug/l	90
22) Diisopropyl ether	6.671	45	122278	20.521	ug/l	98
23) Vinyl Acetate	6.600	43	432905m	106.106	ug/l	
24) 1,1-Dichloroethane	6.565	63	75247	18.576	ug/l	99
25) 2-Butanone	7.483	43	110910	100.337	ug/l	100
26) 2,2-Dichloropropane	7.483	77	64399	17.879	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	45332	18.077	ug/l	96
28) Bromochloromethane	7.812	49	37915	22.774	ug/l	93
29) Tetrahydrofuran	7.841	42	73328	102.731	ug/l	99
30) Chloroform	7.965	83	77346	18.272	ug/l	96
31) Cyclohexane	8.253	56	64840	19.118	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	69020	18.331	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53538	19.011	ug/l	99
37) Ethyl Acetate	7.559	43	44178	19.063	ug/l	98
38) Carbon Tetrachloride	8.359	117	62407	18.651	ug/l	96
39) Methylcyclohexane	9.600	83	51371	18.568	ug/l	96
40) Benzene	8.606	78	173763	19.252	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	24897	20.096	ug/l	98
42) 1,2-Dichloroethane	8.671	62	55432	18.855	ug/l	100
43) Isopropyl Acetate	8.688	43	84853	20.541	ug/l	97
44) Trichloroethene	9.347	130	38294	17.280	ug/l	98
45) 1,2-Dichloropropane	9.624	63	42131	19.338	ug/l	94
46) Dibromomethane	9.706	93	29316	19.076	ug/l	98
47) Bromodichloromethane	9.882	83	61432	18.685	ug/l	99
48) Methyl methacrylate	9.677	41	33611	19.529	ug/l	97
49) 1,4-Dioxane	9.694	88	13683	418.066	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	230578	103.195	ug/l	99
52) Toluene	10.630	92	105004	19.846	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	60104	19.770	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	65714	19.711	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	38998	18.539	ug/l	96
56) Ethyl methacrylate	10.871	69	55699	20.042	ug/l	98
57) 1,3-Dichloropropane	11.159	76	68287	19.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	121081	119.643	ug/l	100
59) 2-Hexanone	11.194	43	158456	103.085	ug/l	99
60) Dibromochloromethane	11.359	129	46769	19.093	ug/l	99
61) 1,2-Dibromoethane	11.465	107	38641	19.441	ug/l	97
64) Tetrachloroethene	11.100	164	38276	18.499	ug/l	95
65) Chlorobenzene	11.888	112	110875	18.122	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	40601	18.462	ug/l	98
67) Ethyl Benzene	11.965	91	180891	18.874	ug/l	100
68) m/p-Xylenes	12.071	106	141229	38.793	ug/l	100
69) o-Xylene	12.394	106	65603	18.963	ug/l	97
70) Styrene	12.412	104	109997	18.542	ug/l	98
71) Bromoform	12.576	173	31071	19.014	ug/l #	97
73) Isopropylbenzene	12.694	105	159608	17.836	ug/l	98
74) N-amyl acetate	12.494	43	61330	19.435	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	55549	18.039	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	46455m	16.011	ug/l	
77) Bromobenzene	12.976	156	42892	17.741	ug/l	92
78) n-propylbenzene	13.035	91	192527	18.786	ug/l	99
79) 2-Chlorotoluene	13.123	91	125420	18.316	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	139100	19.082	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	18124m	18.225	ug/l	
82) 4-Chlorotoluene	13.218	91	127707	18.813	ug/l	99
83) tert-Butylbenzene	13.435	119	108226	17.655	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	139106	19.288	ug/l	97
85) sec-Butylbenzene	13.612	105	157266	18.158	ug/l	99
86) p-Isopropyltoluene	13.729	119	127223	17.321	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	79599	17.573	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	78503	16.910	ug/l	97
89) n-Butylbenzene	14.053	91	104614	17.013	ug/l	97
90) Hexachloroethane	14.335	117	27755	16.921	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	75492	17.332	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10101	17.863	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	34346	16.548	ug/l	97
94) Hexachlorobutadiene	15.500	225	19667	15.591	ug/l	98
95) Naphthalene	15.641	128	94244	16.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	35969	17.262	ug/l	99

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

