

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086029.D
 Acq On : 20 Mar 2025 17:09
 Operator : JC\MD
 Sample : VN0320WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:22:09 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	163068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109416	49.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.000%		
35) Dibromofluoromethane	8.159	113	86210	47.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.100%		
50) Toluene-d8	10.565	98	321886	48.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.847	95	113025	48.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41361	19.145	ug/l	96
3) Chloromethane	2.359	50	35832	18.919	ug/l	95
4) Vinyl Chloride	2.512	62	36301	18.746	ug/l	97
5) Bromomethane	2.965	94	24871	18.855	ug/l	100
6) Chloroethane	3.124	64	22392	18.329	ug/l #	85
7) Trichlorofluoromethane	3.500	101	65523	18.822	ug/l	100
8) Diethyl Ether	3.959	74	20901	19.613	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	34420	18.604	ug/l	99
10) Methyl Iodide	4.595	142	47830	19.840	ug/l	94
11) Tert butyl alcohol	5.518	59	26530	83.917	ug/l	99
12) 1,1-Dichloroethene	4.342	96	32945	19.720	ug/l	96
13) Acrolein	4.177	56	30231	89.654	ug/l	94
14) Allyl chloride	5.018	41	37083	17.792	ug/l	97
15) Acrylonitrile	5.718	53	82486	98.793	ug/l	98
16) Acetone	4.424	43	60652	88.908	ug/l	100
17) Carbon Disulfide	4.712	76	99067	18.031	ug/l	99
18) Methyl Acetate	5.018	43	31781	18.829	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	107258	19.593	ug/l	99
20) Methylene Chloride	5.271	84	40227	20.157	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	36120	19.784	ug/l	96
22) Diisopropyl ether	6.671	45	95798	21.569	ug/l	96
23) Vinyl Acetate	6.600	43	345170	102.520	ug/l	99
24) 1,1-Dichloroethane	6.565	63	66353	20.316	ug/l	97
25) 2-Butanone	7.483	43	91026	92.473	ug/l	99
26) 2,2-Dichloropropane	7.488	77	59718	18.992	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	41380	19.945	ug/l	98
28) Bromochloromethane	7.812	49	25403	18.358	ug/l	99
29) Tetrahydrofuran	7.835	42	60885	100.188	ug/l	97
30) Chloroform	7.959	83	72948	20.207	ug/l	97
31) Cyclohexane	8.253	56	50460	18.136	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68406	20.018	ug/l	98
36) 1,1-Dichloropropene	8.371	75	46915	19.650	ug/l	98
37) Ethyl Acetate	7.559	43	37394	18.565	ug/l	99
38) Carbon Tetrachloride	8.359	117	64454	20.532	ug/l	93
39) Methylcyclohexane	9.600	83	39452	16.655	ug/l	89
40) Benzene	8.606	78	155377	20.731	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	18812	19.559	ug/l	98
42) 1,2-Dichloroethane	8.665	62	54126	20.725	ug/l	100
43) Isopropyl Acetate	8.688	43	67395	15.441	ug/l	97
44) Trichloroethene	9.353	130	37139	19.119	ug/l	100
45) 1,2-Dichloropropane	9.618	63	35089	20.583	ug/l	95
46) Dibromomethane	9.706	93	28404	21.187	ug/l	97
47) Bromodichloromethane	9.882	83	59015	21.063	ug/l	97
48) Methyl methacrylate	9.677	41	28329	19.669	ug/l	99
49) 1,4-Dioxane	9.688	88	13886	407.830	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	193215	100.374	ug/l	99
52) Toluene	10.629	92	97507	21.197	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	55197	20.285	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	57578	20.055	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	38311	21.820	ug/l	95
56) Ethyl methacrylate	10.871	69	49757	20.666	ug/l	98
57) 1,3-Dichloropropane	11.165	76	61949	20.774	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	90936	100.437	ug/l	100
59) 2-Hexanone	11.194	43	137925	98.355	ug/l	96
60) Dibromochloromethane	11.359	129	47613	21.016	ug/l	100
61) 1,2-Dibromoethane	11.465	107	37028	20.543	ug/l	96
64) Tetrachloroethene	11.100	164	36985	19.556	ug/l	97
65) Chlorobenzene	11.888	112	105860	19.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40700	20.182	ug/l	98
67) Ethyl Benzene	11.959	91	169858	19.573	ug/l	100
68) m/p-Xylenes	12.071	106	139730	40.966	ug/l	99
69) o-Xylene	12.394	106	63026	20.133	ug/l	100
70) Styrene	12.412	104	110733	20.709	ug/l	99
71) Bromoform	12.576	173	33772	20.032	ug/l #	97
73) Isopropylbenzene	12.694	105	154381	18.464	ug/l	98
74) N-amyl acetate	12.494	43	53210	19.021	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52821	18.673	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51264m	18.701	ug/l	
77) Bromobenzene	12.976	156	43200	18.529	ug/l	99
78) n-propylbenzene	13.035	91	187372	19.790	ug/l	98
79) 2-Chlorotoluene	13.123	91	124671	19.825	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	142319	20.160	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	17393	16.775	ug/l	89
82) 4-Chlorotoluene	13.217	91	128318	19.842	ug/l	99
83) tert-Butylbenzene	13.435	119	109645	18.161	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	142980	20.081	ug/l	99
85) sec-Butylbenzene	13.612	105	155292	19.717	ug/l	100
86) p-Isopropyltoluene	13.729	119	129493	19.422	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	81986	19.509	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	83732	18.964	ug/l	97
89) n-Butylbenzene	14.053	91	101792	18.748	ug/l	96
90) Hexachloroethane	14.329	117	27944	18.164	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	78822	18.868	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10040	17.781	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	35562	16.930	ug/l	99
94) Hexachlorobutadiene	15.500	225	20840	17.100	ug/l	100
95) Naphthalene	15.641	128	92296	15.174	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	35483	17.802	ug/l	98

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

