

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086144.D
 Acq On : 28 Mar 2025 12:41
 Operator : JC\MD
 Sample : VN0328WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2025
 Supervised By : Mahesh Dadoda 03/31/2025

Quant Time: Mar 28 23:38:08 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	181135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124963	50.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.760%			
35) Dibromofluoromethane	8.165	113	103943	50.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.400%			
50) Toluene-d8	10.565	98	378798	50.904	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.847	95	129351	48.741	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	42527	17.721	ug/l	100
3) Chloromethane	2.360	50	44326	21.070	ug/l	100
4) Vinyl Chloride	2.512	62	44543	20.707	ug/l	95
5) Bromomethane	2.959	94	30889	21.081	ug/l	96
6) Chloroethane	3.124	64	28333	20.879	ug/l	88
7) Trichlorofluoromethane	3.501	101	69639	18.009	ug/l	97
8) Diethyl Ether	3.959	74	22733	19.204	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	40733	19.820	ug/l	98
10) Methyl Iodide	4.589	142	51454	19.215	ug/l #	94
11) Tert butyl alcohol	5.512	59	29250	83.292	ug/l #	87
12) 1,1-Dichloroethene	4.342	96	36110	19.459	ug/l	95
13) Acrolein	4.177	56	26688	71.253	ug/l	94
14) Allyl chloride	5.024	41	44431	19.192	ug/l	95
15) Acrylonitrile	5.712	53	92926	100.195	ug/l	96
16) Acetone	4.424	43	70858	93.508	ug/l	99
17) Carbon Disulfide	4.706	76	103263	16.920	ug/l	98
18) Methyl Acetate	5.024	43	45006	24.005	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	119285	19.616	ug/l	97
20) Methylene Chloride	5.277	84	46337	20.903	ug/l #	94
21) trans-1,2-Dichloroethene	5.789	96	40218	19.831	ug/l	94
22) Diisopropyl ether	6.671	45	114083	23.124	ug/l	96
23) Vinyl Acetate	6.606	43	387929	103.727	ug/l	99
24) 1,1-Dichloroethane	6.571	63	73448	20.246	ug/l	99
25) 2-Butanone	7.483	43	108180	98.937	ug/l	96
26) 2,2-Dichloropropane	7.489	77	63591	18.207	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	46183	20.040	ug/l	98
28) Bromochloromethane	7.812	49	34091	22.180	ug/l	98
29) Tetrahydrofuran	7.836	42	72935	108.046	ug/l	94
30) Chloroform	7.965	83	81840	20.409	ug/l	97
31) Cyclohexane	8.259	56	57827	18.711	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	71066	18.722	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51703	19.151	ug/l	99
37) Ethyl Acetate	7.559	43	47035	20.650	ug/l	98
38) Carbon Tetrachloride	8.359	117	64604	18.199	ug/l	98
39) Methylcyclohexane	9.594	83	46488	17.355	ug/l	98
40) Benzene	8.606	78	172081	20.304	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	22097	20.317	ug/l	98
42) 1,2-Dichloroethane	8.665	62	58446	19.791	ug/l	96
43) Isopropyl Acetate	8.683	43	80016	16.212	ug/l	96
44) Trichloroethene	9.347	130	40461	18.420	ug/l	100
45) 1,2-Dichloropropane	9.618	63	42240	21.912	ug/l	98
46) Dibromomethane	9.706	93	31047	20.480	ug/l	99
47) Bromodichloromethane	9.883	83	64791	20.449	ug/l	94
48) Methyl methacrylate	9.683	41	32807	20.143	ug/l	96
49) 1,4-Dioxane	9.694	88	15649	406.449	ug/l	89
51) 4-Methyl-2-Pentanone	10.441	43	232538	106.830	ug/l	98
52) Toluene	10.630	92	108927	20.940	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	61796	20.083	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	66044	20.344	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	43733	22.028	ug/l	96
56) Ethyl methacrylate	10.871	69	56508	20.747	ug/l	96
57) 1,3-Dichloropropane	11.159	76	70616	20.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	119242	114.520	ug/l	99
59) 2-Hexanone	11.194	43	163144	102.883	ug/l	96
60) Dibromochloromethane	11.359	129	53052	20.708	ug/l	100
61) 1,2-Dibromoethane	11.465	107	40818	20.026	ug/l	93
64) Tetrachloroethene	11.100	164	40855	19.284	ug/l	96
65) Chlorobenzene	11.888	112	116410	19.155	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	44208	19.569	ug/l	97
67) Ethyl Benzene	11.959	91	180001	18.516	ug/l	100
68) m/p-Xylenes	12.071	106	145711	38.136	ug/l	99
69) o-Xylene	12.394	106	69126	19.712	ug/l	93
70) Styrene	12.412	104	116489	19.448	ug/l	99
71) Bromoform	12.576	173	37171	19.683	ug/l #	96
73) Isopropylbenzene	12.694	105	166250	18.127	ug/l	99
74) N-amyl acetate	12.494	43	59254	19.311	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	60884	19.622	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	50045m	16.644	ug/l	
77) Bromobenzene	12.976	156	48714	19.049	ug/l	99
78) n-propylbenzene	13.035	91	196208	18.893	ug/l	98
79) 2-Chlorotoluene	13.124	91	130996	18.990	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	145267	18.760	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	19623	17.254	ug/l	93
82) 4-Chlorotoluene	13.218	91	133668	18.843	ug/l	98
83) tert-Butylbenzene	13.435	119	114149	17.236	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	147040	18.827	ug/l	99
85) sec-Butylbenzene	13.612	105	162233	18.778	ug/l	99
86) p-Isopropyltoluene	13.729	119	133053	18.193	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	85791	18.611	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	86812	17.925	ug/l	100
89) n-Butylbenzene	14.053	91	105199	17.664	ug/l	96
90) Hexachloroethane	14.329	117	29769	17.641	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	84504	18.441	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11168	18.031	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	36662	15.911	ug/l	99
94) Hexachlorobutadiene	15.500	225	21308	15.940	ug/l	99
95) Naphthalene	15.641	128	100191	15.017	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	36899	16.877	ug/l	98

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

