

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086131.D
 Acq On : 26 Mar 2025 17:12
 Operator : JC\MD
 Sample : VN0326WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

Quant Time: Mar 27 01:41:45 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	217618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	354450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146192	49.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.120%		
35) Dibromofluoromethane	8.165	113	122658	49.578	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.160%		
50) Toluene-d8	10.565	98	460234	51.257	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.520%		
62) 4-Bromofluorobenzene	12.847	95	160171	50.020	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52726	18.288	ug/l	100
3) Chloromethane	2.359	50	51701	20.455	ug/l	100
4) Vinyl Chloride	2.512	62	56920	22.025	ug/l	97
5) Bromomethane	2.953	94	36405	20.681	ug/l	100
6) Chloroethane	3.118	64	35696	21.895	ug/l	90
7) Trichlorofluoromethane	3.500	101	88909	19.138	ug/l	97
8) Diethyl Ether	3.959	74	28832	20.273	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	51420	20.826	ug/l	96
10) Methyl Iodide	4.589	142	62334	19.375	ug/l	98
11) Tert butyl alcohol	5.518	59	37905	89.842	ug/l	98
12) 1,1-Dichloroethene	4.341	96	45590	20.449	ug/l	95
13) Acrolein	4.177	56	26269	58.376	ug/l	94
14) Allyl chloride	5.018	41	58554	21.052	ug/l	94
15) Acrylonitrile	5.718	53	117685	105.618	ug/l	100
16) Acetone	4.424	43	86375	94.876	ug/l	100
17) Carbon Disulfide	4.712	76	131708	17.963	ug/l	98
18) Methyl Acetate	5.018	43	52974	23.518	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	149408	20.451	ug/l	97
20) Methylene Chloride	5.277	84	54473	20.453	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	49035	20.125	ug/l	96
22) Diisopropyl ether	6.671	45	142229	23.996	ug/l	97
23) Vinyl Acetate	6.600	43	484834	107.905	ug/l	99
24) 1,1-Dichloroethane	6.571	63	93185	21.380	ug/l	100
25) 2-Butanone	7.482	43	132904	101.172	ug/l	94
26) 2,2-Dichloropropane	7.488	77	83299	19.851	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	58322	21.064	ug/l	98
28) Bromochloromethane	7.812	49	41313	22.372	ug/l	91
29) Tetrahydrofuran	7.835	42	92235	113.730	ug/l	93
30) Chloroform	7.965	83	100673	20.897	ug/l	93
31) Cyclohexane	8.253	56	76546	20.616	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	92471	20.277	ug/l	97
36) 1,1-Dichloropropene	8.371	75	65752	20.184	ug/l	99
37) Ethyl Acetate	7.559	43	57314	20.854	ug/l	98
38) Carbon Tetrachloride	8.359	117	83863	19.579	ug/l	97
39) Methylcyclohexane	9.600	83	61002	18.874	ug/l	92
40) Benzene	8.600	78	217729	21.290	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30037	22.888	ug/l	92
42) 1,2-Dichloroethane	8.671	62	69679	19.554	ug/l	97
43) Isopropyl Acetate	8.682	43	110595	18.570	ug/l	91
44) Trichloroethene	9.347	130	50021	18.872	ug/l	93
45) 1,2-Dichloropropane	9.618	63	52030	22.369	ug/l	97
46) Dibromomethane	9.706	93	38095	20.826	ug/l	97
47) Bromodichloromethane	9.882	83	79279	20.737	ug/l	98
48) Methyl methacrylate	9.682	41	42220	21.483	ug/l	98
49) 1,4-Dioxane	9.694	88	18692	402.349	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	289382	110.179	ug/l	97
52) Toluene	10.629	92	135113	21.527	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	75771	20.408	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	79864	20.388	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	51159	21.355	ug/l	97
56) Ethyl methacrylate	10.870	69	70485	21.381	ug/l	97
57) 1,3-Dichloropropane	11.159	76	84009	20.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	140874	112.402	ug/l	97
59) 2-Hexanone	11.194	43	206211	107.774	ug/l	96
60) Dibromochloromethane	11.353	129	64348	20.816	ug/l	98
61) 1,2-Dibromoethane	11.465	107	50440	20.509	ug/l	96
64) Tetrachloroethene	11.100	164	51436	20.696	ug/l	93
65) Chlorobenzene	11.888	112	146258	20.515	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	54330	20.500	ug/l	97
67) Ethyl Benzene	11.959	91	236366	20.726	ug/l	99
68) m/p-Xylenes	12.070	106	188896	42.141	ug/l	100
69) o-Xylene	12.400	106	89120	21.663	ug/l	97
70) Styrene	12.406	104	149266	21.242	ug/l	99
71) Bromoform	12.576	173	42327	19.105	ug/l #	98
73) Isopropylbenzene	12.694	105	217081	20.535	ug/l	99
74) N-amyl acetate	12.488	43	75230	21.270	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	72556	20.287	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	76899m	22.188	ug/l	
77) Bromobenzene	12.976	156	58202	19.745	ug/l	99
78) n-propylbenzene	13.035	91	257802	21.536	ug/l	98
79) 2-Chlorotoluene	13.123	91	168068	21.138	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	190037	21.292	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	24273	18.516	ug/l	89
82) 4-Chlorotoluene	13.217	91	169162	20.689	ug/l	100
83) tert-Butylbenzene	13.435	119	150004	19.651	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	190106	21.118	ug/l	98
85) sec-Butylbenzene	13.617	105	213011	21.391	ug/l	100
86) p-Isopropyltoluene	13.729	119	176409	20.927	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	107947	20.316	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	106961	19.160	ug/l	99
89) n-Butylbenzene	14.053	91	134561	19.602	ug/l	99
90) Hexachloroethane	14.329	117	37196	19.123	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	104038	19.697	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13215	18.511	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	47707	17.963	ug/l	99
94) Hexachlorobutadiene	15.500	225	25540	16.575	ug/l	98
95) Naphthalene	15.641	128	128540	16.714	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	45721	18.143	ug/l	100

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

