

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022425\
 Data File : VN085832.D
 Acq On : 24 Feb 2025 13:03
 Operator : JC\MD
 Sample : VN0224WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/25/2025
 Supervised By : Mahesh Dadoda 02/25/2025

Quant Time: Feb 25 01:51:43 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	257358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	378131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161971	48.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.080%		
35) Dibromofluoromethane	8.165	113	137284	48.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.180%		
50) Toluene-d8	10.565	98	512651	49.360	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.847	95	174876	51.104	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	69150	19.754	ug/l	100
3) Chloromethane	2.359	50	68791	19.584	ug/l	97
4) Vinyl Chloride	2.512	62	73012	19.631	ug/l	100
5) Bromomethane	2.953	94	46451	19.532	ug/l	97
6) Chloroethane	3.118	64	47196	19.158	ug/l	96
7) Trichlorofluoromethane	3.500	101	105770	19.642	ug/l	99
8) Diethyl Ether	3.959	74	34319	19.697	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	64634	20.765	ug/l	98
10) Methyl Iodide	4.589	142	73721	19.214	ug/l	95
11) Tert butyl alcohol	5.518	59	52251	127.326	ug/l	98
12) 1,1-Dichloroethene	4.342	96	54469	19.300	ug/l	92
13) Acrolein	4.183	56	62974	103.481	ug/l	95
14) Allyl chloride	5.024	41	80176	21.637	ug/l	87
15) Acrylonitrile	5.718	53	150940	113.141	ug/l	98
16) Acetone	4.424	43	115747	109.635	ug/l	96
17) Carbon Disulfide	4.718	76	153488	18.350	ug/l	97
18) Methyl Acetate	5.018	43	81482	22.439	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	173790	20.722	ug/l	100
20) Methylene Chloride	5.271	84	69243	20.395	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	58755	19.334	ug/l	95
22) Diisopropyl ether	6.671	45	180545	21.563	ug/l	96
23) Vinyl Acetate	6.600	43	583064	101.705	ug/l	100
24) 1,1-Dichloroethane	6.565	63	116963	20.550	ug/l	99
25) 2-Butanone	7.483	43	178921	115.195	ug/l	98
26) 2,2-Dichloropropane	7.488	77	100657	19.888	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	69180	19.633	ug/l	98
28) Bromochloromethane	7.812	49	58338	24.937	ug/l	98
29) Tetrahydrofuran	7.841	42	120300	119.944	ug/l	98
30) Chloroform	7.965	83	123507	20.764	ug/l	96
31) Cyclohexane	8.253	56	88180	18.503	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	103967	19.652	ug/l	95
36) 1,1-Dichloropropene	8.371	75	78040	19.316	ug/l	99
37) Ethyl Acetate	7.559	43	74240	22.330	ug/l	97
38) Carbon Tetrachloride	8.359	117	94174	19.618	ug/l	97
39) Methylcyclohexane	9.600	83	70553	17.776	ug/l	95
40) Benzene	8.600	78	263157	20.323	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	38988	21.936	ug/l	97
42) 1,2-Dichloroethane	8.665	62	83774	19.862	ug/l	98
43) Isopropyl Acetate	8.688	43	128897	21.783	ug/l	97
44) Trichloroethene	9.347	130	59592	18.744	ug/l	98
45) 1,2-Dichloropropane	9.618	63	64913	20.768	ug/l	95
46) Dibromomethane	9.706	93	46181	20.947	ug/l	99
47) Bromodichloromethane	9.888	83	97351	20.639	ug/l	97
48) Methyl methacrylate	9.677	41	52939	21.440	ug/l	99
49) 1,4-Dioxane	9.688	88	24332	518.211	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	379660	118.440	ug/l	98
52) Toluene	10.629	92	160367	21.128	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	88415	20.271	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	100164	20.943	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	63105	20.910	ug/l	94
56) Ethyl methacrylate	10.871	69	82410	20.627	ug/l	99
57) 1,3-Dichloropropane	11.159	76	105668	20.975	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	188414	128.915	ug/l	99
59) 2-Hexanone	11.194	43	270234	122.544	ug/l	99
60) Dibromochloromethane	11.359	129	74702	21.258	ug/l	99
61) 1,2-Dibromoethane	11.465	107	60711	21.292	ug/l	98
64) Tetrachloroethene	11.100	164	56809	19.393	ug/l	99
65) Chlorobenzene	11.888	112	173970	20.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	64531	20.726	ug/l	99
67) Ethyl Benzene	11.959	91	272303	20.068	ug/l	100
68) m/p-Xylenes	12.070	106	221861	43.044	ug/l	97
69) o-Xylene	12.394	106	101081	20.638	ug/l	99
70) Styrene	12.412	104	173747	20.539	ug/l	99
71) Bromoform	12.576	173	51137	22.103	ug/l #	97
73) Isopropylbenzene	12.694	105	249636	19.191	ug/l	98
74) N-amyl acetate	12.494	43	92165	20.092	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	92003	20.554	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	73556m	17.440	ug/l	
77) Bromobenzene	12.976	156	69907	19.892	ug/l	97
78) n-propylbenzene	13.035	91	302379	20.298	ug/l	99
79) 2-Chlorotoluene	13.123	91	194800	19.571	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	218142	20.587	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	32780	22.677	ug/l	93
82) 4-Chlorotoluene	13.217	91	197799	20.046	ug/l	100
83) tert-Butylbenzene	13.435	119	172236	19.330	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	221104	21.091	ug/l	98
85) sec-Butylbenzene	13.612	105	246640	19.591	ug/l	100
86) p-Isopropyltoluene	13.729	119	201013	18.730	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	126500	19.213	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	126841	18.796	ug/l	98
89) n-Butylbenzene	14.053	91	158686	17.753	ug/l	96
90) Hexachloroethane	14.329	117	45668	19.154	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	123530	19.510	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16177	19.681	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	51385	17.032	ug/l	98
94) Hexachlorobutadiene	15.500	225	30590	16.683	ug/l	97
95) Naphthalene	15.641	128	143702	17.349	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	53096	17.530	ug/l	99

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

