

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022425\
 Data File : VN085833.D
 Acq On : 24 Feb 2025 13:36
 Operator : JC\MD
 Sample : VN0224WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 01:52:41 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	254490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	372649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161563	48.968	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.940%		
35) Dibromofluoromethane	8.165	113	136434	49.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.200%		
50) Toluene-d8	10.565	98	500928	50.056	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.120%		
62) 4-Bromofluorobenzene	12.847	95	171801	52.105	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	67546	19.513	ug/l	100
3) Chloromethane	2.359	50	69293	19.949	ug/l	96
4) Vinyl Chloride	2.512	62	70256	19.103	ug/l	100
5) Bromomethane	2.959	94	44608	18.969	ug/l	95
6) Chloroethane	3.118	64	46079	18.915	ug/l	94
7) Trichlorofluoromethane	3.495	101	102673	19.282	ug/l	94
8) Diethyl Ether	3.959	74	34433	19.985	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	61837	20.090	ug/l	98
10) Methyl Iodide	4.589	142	74336	19.593	ug/l	97
11) Tert butyl alcohol	5.518	59	52556	129.512	ug/l	99
12) 1,1-Dichloroethene	4.342	96	55272	19.805	ug/l	94
13) Acrolein	4.177	56	65668	109.124	ug/l	97
14) Allyl chloride	5.018	41	68902	18.804	ug/l	96
15) Acrylonitrile	5.718	53	155867	118.151	ug/l	98
16) Acetone	4.424	43	120571	115.491	ug/l	93
17) Carbon Disulfide	4.712	76	146999	17.772	ug/l	100
18) Methyl Acetate	5.018	43	84210	23.452	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	173460	20.916	ug/l	98
20) Methylene Chloride	5.277	84	67489	20.102	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	57869	19.257	ug/l	98
22) Diisopropyl ether	6.665	45	176742	21.347	ug/l	96
23) Vinyl Acetate	6.600	43	593068	104.616	ug/l	99
24) 1,1-Dichloroethane	6.571	63	114160	20.283	ug/l	99
25) 2-Butanone	7.477	43	183586	119.531	ug/l	98
26) 2,2-Dichloropropane	7.488	77	97025	19.386	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	68278	19.596	ug/l	97
28) Bromochloromethane	7.812	49	57799	24.985	ug/l	96
29) Tetrahydrofuran	7.835	42	124442	125.472	ug/l	99
30) Chloroform	7.965	83	118725	20.185	ug/l	92
31) Cyclohexane	8.253	56	85444	18.131	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	101538	19.409	ug/l	97
36) 1,1-Dichloropropene	8.371	75	77066	19.797	ug/l	99
37) Ethyl Acetate	7.559	43	75890	23.689	ug/l	98
38) Carbon Tetrachloride	8.359	117	91756	19.837	ug/l	99
39) Methylcyclohexane	9.600	83	69336	18.130	ug/l	95
40) Benzene	8.606	78	255468	20.476	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	37867	22.112	ug/l	94
42) 1,2-Dichloroethane	8.671	62	82936	20.408	ug/l	100
43) Isopropyl Acetate	8.688	43	132861	23.340	ug/l	98
44) Trichloroethene	9.347	130	58457	19.082	ug/l	99
45) 1,2-Dichloropropane	9.618	63	62593	20.784	ug/l	95
46) Dibromomethane	9.706	93	45573	21.453	ug/l	99
47) Bromodichloromethane	9.882	83	94873	20.875	ug/l	100
48) Methyl methacrylate	9.677	41	53084	22.312	ug/l	98
49) 1,4-Dioxane	9.688	88	23894	528.132	ug/l #	97
51) 4-Methyl-2-Pentanone	10.441	43	384206	124.392	ug/l	100
52) Toluene	10.629	92	154597	21.138	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	91440	21.758	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	95689	20.764	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	64471	22.171	ug/l	94
56) Ethyl methacrylate	10.871	69	82880	21.466	ug/l	98
57) 1,3-Dichloropropane	11.159	76	102761	21.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	194148	136.927	ug/l	100
59) 2-Hexanone	11.194	43	276584	130.168	ug/l	99
60) Dibromochloromethane	11.359	129	74225	21.921	ug/l	99
61) 1,2-Dibromoethane	11.465	107	60464	22.007	ug/l	98
64) Tetrachloroethene	11.100	164	55733	19.305	ug/l	93
65) Chlorobenzene	11.888	112	169493	19.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	64196	20.921	ug/l	99
67) Ethyl Benzene	11.959	91	264854	19.806	ug/l	98
68) m/p-Xylenes	12.070	106	215709	42.466	ug/l	98
69) o-Xylene	12.394	106	98161	20.336	ug/l	99
70) Styrene	12.412	104	170947	20.508	ug/l	99
71) Bromoform	12.576	173	50313	22.067	ug/l #	99
73) Isopropylbenzene	12.694	105	243501	19.486	ug/l	100
74) N-amyl acetate	12.494	43	94407	21.423	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	91358	21.245	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	84006m	20.733	ug/l	
77) Bromobenzene	12.976	156	67340	19.946	ug/l	95
78) n-propylbenzene	13.035	91	294534	20.580	ug/l	100
79) 2-Chlorotoluene	13.123	91	189193	19.786	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	210864	20.715	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	32945	23.724	ug/l	90
82) 4-Chlorotoluene	13.217	91	193783	20.443	ug/l	100
83) tert-Butylbenzene	13.435	119	165247	19.304	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	212701	21.120	ug/l	99
85) sec-Butylbenzene	13.617	105	241530	19.970	ug/l	100
86) p-Isopropyltoluene	13.729	119	197164	19.099	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	126447	19.991	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	125945	19.427	ug/l	100
89) n-Butylbenzene	14.053	91	155594	18.120	ug/l	97
90) Hexachloroethane	14.329	117	44767	19.544	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	122292	20.105	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16882	21.380	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	53723	18.536	ug/l	98
94) Hexachlorobutadiene	15.500	225	30704	17.431	ug/l	95
95) Naphthalene	15.641	128	153679	19.313	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	55549	19.091	ug/l	100

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

