

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085805.D
 Acq On : 21 Feb 2025 16:06
 Operator : JC\MD
 Sample : VN0221WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2025
 Supervised By : Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 02:35:46 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	294095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	478037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	411262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	206616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	199834	52.411	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.820%			
35) Dibromofluoromethane	8.159	113	170959	54.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.300%			
50) Toluene-d8	10.565	98	636128	55.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.780%			
62) 4-Bromofluorobenzene	12.847	95	208604	55.632	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	73782	18.444	ug/l	96
3) Chloromethane	2.359	50	72009	17.939	ug/l	99
4) Vinyl Chloride	2.512	62	77660	18.272	ug/l	98
5) Bromomethane	2.959	94	48562	17.869	ug/l	94
6) Chloroethane	3.124	64	49262	17.499	ug/l	96
7) Trichlorofluoromethane	3.501	101	110162	17.902	ug/l	100
8) Diethyl Ether	3.959	74	34684	17.420	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	69423	19.517	ug/l	99
10) Methyl Iodide	4.589	142	77646	17.709	ug/l	98
11) Tert butyl alcohol	5.512	59	44197	94.246	ug/l	99
12) 1,1-Dichloroethene	4.342	96	58186	18.041	ug/l	98
13) Acrolein	4.177	56	72880	104.799	ug/l	97
14) Allyl chloride	5.018	41	74037	17.485	ug/l	96
15) Acrylonitrile	5.718	53	146830	96.312	ug/l	98
16) Acetone	4.424	43	115813	95.995	ug/l	96
17) Carbon Disulfide	4.712	76	160010	16.740	ug/l	96
18) Methyl Acetate	5.018	43	77447	18.664	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	174291	18.186	ug/l	98
20) Methylene Chloride	5.277	84	70973	18.293	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	61564	17.728	ug/l	92
22) Diisopropyl ether	6.665	45	182175	19.040	ug/l	99
23) Vinyl Acetate	6.600	43	593718	90.627	ug/l	99
24) 1,1-Dichloroethane	6.565	63	119613	18.390	ug/l	99
25) 2-Butanone	7.477	43	172255	97.050	ug/l	100
26) 2,2-Dichloropropane	7.489	77	104471	18.063	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	72385	17.977	ug/l	98
28) Bromochloromethane	7.806	49	57032	21.334	ug/l	96
29) Tetrahydrofuran	7.836	42	115320	100.616	ug/l	98
30) Chloroform	7.959	83	126455	18.604	ug/l	100
31) Cyclohexane	8.253	56	95788	17.589	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	111086	18.374	ug/l	98
36) 1,1-Dichloropropene	8.371	75	83583	18.880	ug/l	99
37) Ethyl Acetate	7.559	43	73203	20.093	ug/l	98
38) Carbon Tetrachloride	8.359	117	99358	18.889	ug/l	94
39) Methylcyclohexane	9.600	83	75991	17.473	ug/l	94
40) Benzene	8.600	78	268507	18.924	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	38061	19.543	ug/l	98
42) 1,2-Dichloroethane	8.665	62	89694	19.407	ug/l	99
43) Isopropyl Acetate	8.683	43	116020	17.794	ug/l	97
44) Trichloroethene	9.347	130	63535	18.237	ug/l	99
45) 1,2-Dichloropropane	9.618	63	65389	19.092	ug/l	98
46) Dibromomethane	9.700	93	47627	19.715	ug/l	99
47) Bromodichloromethane	9.883	83	97942	18.949	ug/l	96
48) Methyl methacrylate	9.677	41	51627	19.081	ug/l	98
49) 1,4-Dioxane	9.688	88	22433	436.005	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	366053	104.214	ug/l	99
52) Toluene	10.624	92	166657	20.037	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	92500	19.354	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	100089	19.098	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	64245	19.427	ug/l	96
56) Ethyl methacrylate	10.871	69	80815	18.598	ug/l	97
57) 1,3-Dichloropropane	11.159	76	108637	19.679	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	156916	99.419	ug/l	99
59) 2-Hexanone	11.194	43	257303	106.481	ug/l	98
60) Dibromochloromethane	11.359	129	75526	19.614	ug/l	98
61) 1,2-Dibromoethane	11.465	107	60981	19.517	ug/l	99
64) Tetrachloroethene	11.100	164	62820	19.717	ug/l	96
65) Chlorobenzene	11.888	112	180333	19.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	66570	19.658	ug/l	98
67) Ethyl Benzene	11.959	91	283038	19.178	ug/l	97
68) m/p-Xylenes	12.071	106	227573	40.595	ug/l	100
69) o-Xylene	12.394	106	103973	19.518	ug/l	99
70) Styrene	12.406	104	177240	19.345	ug/l	99
71) Bromoform	12.576	173	51271	20.376	ug/l #	97
73) Isopropylbenzene	12.694	105	258663	18.273	ug/l	99
74) N-amyl acetate	12.488	43	90640	18.158	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	90037	18.484	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	82512m	17.978	ug/l	
77) Bromobenzene	12.976	156	71587	18.719	ug/l	98
78) n-propylbenzene	13.029	91	311564	19.219	ug/l	100
79) 2-Chlorotoluene	13.123	91	202439	18.690	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	228125	19.784	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	28460m	18.093	ug/l	
82) 4-Chlorotoluene	13.218	91	202212	18.832	ug/l	99
83) tert-Butylbenzene	13.435	119	178407	18.399	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	228570	20.036	ug/l	99
85) sec-Butylbenzene	13.612	105	257729	18.812	ug/l	100
86) p-Isopropyltoluene	13.723	119	209014	17.948	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	132273	18.461	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	132723	18.073	ug/l	99
89) n-Butylbenzene	14.053	91	164404	16.902	ug/l	96
90) Hexachloroethane	14.329	117	47005	18.117	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	128175	18.603	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16055	17.950	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	52730	16.061	ug/l	98
94) Hexachlorobutadiene	15.494	225	31061	15.567	ug/l	99
95) Naphthalene	15.635	128	136619	15.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	52665	15.979	ug/l	99

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

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