

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022025\
 Data File : VN085798.D
 Acq On : 20 Feb 2025 14:21
 Operator : JC\MD
 Sample : VN0220WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2025
 Supervised By : Mahesh Dadoda 02/21/2025

Quant Time: Feb 21 00:58:31 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	8.218	168	303757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	496806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	429331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	201777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	185437	47.088	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.180%		
35) Dibromofluoromethane	8.159	113	158441	48.738	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	10.559	98	598267	50.582	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.160%		
62) 4-Bromofluorobenzene	12.841	95	198735	50.998	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	79178	19.163	ug/l	99
3) Chloromethane	2.359	50	73055	17.621	ug/l	98
4) Vinyl Chloride	2.518	62	79961	18.215	ug/l	98
5) Bromomethane	2.965	94	51637	18.396	ug/l	94
6) Chloroethane	3.130	64	50091	17.227	ug/l	94
7) Trichlorofluoromethane	3.500	101	115866	18.230	ug/l	98
8) Diethyl Ether	3.959	74	37885	18.423	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	69809	19.002	ug/l	99
10) Methyl Iodide	4.589	142	85965	18.983	ug/l	99
11) Tert butyl alcohol	5.494	59	41001	84.650	ug/l	99
12) 1,1-Dichloroethene	4.342	96	63759	19.140	ug/l	95
13) Acrolein	4.171	56	75651	105.323	ug/l	97
14) Allyl chloride	5.024	41	80171	18.331	ug/l	99
15) Acrylonitrile	5.712	53	138837	88.172	ug/l	100
16) Acetone	4.418	43	115062	92.339	ug/l	97
17) Carbon Disulfide	4.718	76	171215	17.343	ug/l	100
18) Methyl Acetate	5.018	43	74503	17.383	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	192877	19.485	ug/l	98
20) Methylene Chloride	5.277	84	72794	18.165	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	65227	18.185	ug/l	96
22) Diisopropyl ether	6.665	45	195565	19.789	ug/l	98
23) Vinyl Acetate	6.594	43	631844	93.379	ug/l	99
24) 1,1-Dichloroethane	6.565	63	124931	18.597	ug/l	100
25) 2-Butanone	7.471	43	160754	87.689	ug/l	98
26) 2,2-Dichloropropane	7.483	77	110865	18.559	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	79710	19.166	ug/l	98
28) Bromochloromethane	7.806	49	51933	18.809	ug/l	100
29) Tetrahydrofuran	7.830	42	109173	92.223	ug/l	97
30) Chloroform	7.959	83	129299	18.417	ug/l	95
31) Cyclohexane	8.253	56	100375	17.845	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	115748	18.537	ug/l	98
36) 1,1-Dichloropropene	8.359	75	86226	18.741	ug/l	98
37) Ethyl Acetate	7.553	43	67853	17.921	ug/l	99
38) Carbon Tetrachloride	8.353	117	102725	18.791	ug/l	96
39) Methylcyclohexane	9.594	83	87071	19.264	ug/l	96
40) Benzene	8.600	78	282417	19.152	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	35731	17.653	ug/l	93
42) 1,2-Dichloroethane	8.665	62	90642	18.871	ug/l	99
43) Isopropyl Acetate	8.682	43	117232	17.285	ug/l	100
44) Trichloroethene	9.347	130	66967	18.496	ug/l	94
45) 1,2-Dichloropropane	9.612	63	68883	19.352	ug/l	98
46) Dibromomethane	9.700	93	46463	18.506	ug/l	99
47) Bromodichloromethane	9.882	83	101081	18.818	ug/l	99
48) Methyl methacrylate	9.671	41	51602	18.351	ug/l	97
49) 1,4-Dioxane	9.682	88	18596	347.775	ug/l	98
51) 4-Methyl-2-Pentanone	10.435	43	332391	91.055	ug/l	99
52) Toluene	10.624	92	174371	20.173	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	96622	19.453	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	107961	19.822	ug/l	99
55) 1,1,2-Trichloroethane	11.006	97	66542	19.362	ug/l	97
56) Ethyl methacrylate	10.871	69	83631	18.524	ug/l	98
57) 1,3-Dichloropropane	11.159	76	109092	19.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	172667	105.148	ug/l	99
59) 2-Hexanone	11.188	43	233767	93.086	ug/l	100
60) Dibromochloromethane	11.353	129	76969	19.233	ug/l	98
61) 1,2-Dibromoethane	11.459	107	62351	19.201	ug/l	99
64) Tetrachloroethene	11.100	164	68159	20.493	ug/l	92
65) Chlorobenzene	11.882	112	186327	18.945	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	68102	19.264	ug/l	97
67) Ethyl Benzene	11.959	91	303541	19.702	ug/l	99
68) m/p-Xylenes	12.065	106	242489	41.436	ug/l	98
69) o-Xylene	12.394	106	111973	20.135	ug/l	99
70) Styrene	12.406	104	185570	19.398	ug/l	98
71) Bromoform	12.570	173	49148	18.710	ug/l #	97
73) Isopropylbenzene	12.688	105	277233	20.055	ug/l	99
74) N-amyl acetate	12.488	43	88596	18.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.929	83	83549	17.564	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	72997m	16.286	ug/l	
77) Bromobenzene	12.976	156	72738	19.476	ug/l	99
78) n-propylbenzene	13.029	91	329186	20.793	ug/l	99
79) 2-Chlorotoluene	13.118	91	209623	19.818	ug/l	99
80) 1,3,5-Trimethylbenzene	13.165	105	235481	20.912	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	27471	17.883	ug/l	93
82) 4-Chlorotoluene	13.217	91	215390	20.540	ug/l	99
83) tert-Butylbenzene	13.435	119	195372	20.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	241309	21.660	ug/l	100
85) sec-Butylbenzene	13.612	105	276376	20.657	ug/l	99
86) p-Isopropyltoluene	13.723	119	227997	19.911	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	131659	18.816	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	133138	18.565	ug/l	99
89) n-Butylbenzene	14.053	91	184993	19.475	ug/l	97
90) Hexachloroethane	14.329	117	45396	17.916	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	127744	18.985	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	14492	16.591	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	60749	18.947	ug/l	98
94) Hexachlorobutadiene	15.494	225	32753	16.809	ug/l	98
95) Naphthalene	15.635	128	152781	17.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	57398	17.832	ug/l	97

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

