

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085860.D
 Acq On : 25 Feb 2025 16:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 23:42:32 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	340650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	554394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	496104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	239799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	214138	48.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.980%		
35) Dibromofluoromethane	8.165	113	180892	49.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.720%		
50) Toluene-d8	10.565	98	679284	51.466	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.940%		
62) 4-Bromofluorobenzene	12.847	95	247526	56.920	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	113.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	197108	42.540	ug/l	100
3) Chloromethane	2.359	50	178775	38.450	ug/l	99
4) Vinyl Chloride	2.512	62	204281	41.496	ug/l	99
5) Bromomethane	2.948	94	126709	40.253	ug/l	95
6) Chloroethane	3.112	64	132395	40.602	ug/l	93
7) Trichlorofluoromethane	3.495	101	312492	43.843	ug/l	97
8) Diethyl Ether	3.959	74	112660	48.851	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	181700	44.102	ug/l	99
10) Methyl Iodide	4.583	142	243735	47.992	ug/l	97
11) Tert butyl alcohol	5.524	59	155996	287.186	ug/l	99
12) 1,1-Dichloroethene	4.336	96	168717	45.163	ug/l	98
13) Acrolein	4.177	56	171660	213.107	ug/l	99
14) Allyl chloride	5.024	41	220911	45.041	ug/l	97
15) Acrylonitrile	5.712	53	428001	242.376	ug/l	100
16) Acetone	4.424	43	336382	240.714	ug/l	97
17) Carbon Disulfide	4.712	76	415530	37.531	ug/l	100
18) Methyl Acetate	5.024	43	234109	48.707	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	588104	52.978	ug/l	98
20) Methylene Chloride	5.271	84	190577	42.407	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	175028	43.513	ug/l	93
22) Diisopropyl ether	6.671	45	539171	48.650	ug/l	98
23) Vinyl Acetate	6.600	43	1899498	250.319	ug/l	99
24) 1,1-Dichloroethane	6.571	63	333907	44.321	ug/l	98
25) 2-Butanone	7.477	43	534305	259.891	ug/l	97
26) 2,2-Dichloropropane	7.489	77	310168	46.299	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	217561	46.647	ug/l	99
28) Bromochloromethane	7.812	49	151117	48.803	ug/l	95
29) Tetrahydrofuran	7.836	42	348193	262.278	ug/l	97
30) Chloroform	7.965	83	356386	45.266	ug/l	97
31) Cyclohexane	8.253	56	251817	39.920	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	322682	46.079	ug/l	98
36) 1,1-Dichloropropene	8.365	75	239102	46.571	ug/l	98
37) Ethyl Acetate	7.553	43	217270	51.423	ug/l	98
38) Carbon Tetrachloride	8.359	117	286710	46.999	ug/l	97
39) Methylcyclohexane	9.600	83	244570	48.489	ug/l	99
40) Benzene	8.606	78	751399	45.663	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	116883	51.749	ug/l	95
42) 1,2-Dichloroethane	8.671	62	254426	47.468	ug/l	99
43) Isopropyl Acetate	8.683	43	373394	50.361	ug/l	98
44) Trichloroethene	9.347	130	185910	46.014	ug/l	99
45) 1,2-Dichloropropane	9.618	63	181809	45.773	ug/l	95
46) Dibromomethane	9.706	93	134216	47.905	ug/l	99
47) Bromodichloromethane	9.888	83	286115	47.732	ug/l	99
48) Methyl methacrylate	9.677	41	173057	55.152	ug/l	96
49) 1,4-Dioxane	9.694	88	74470	1248.041	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	1122202	275.483	ug/l	99
52) Toluene	10.630	92	487380	50.527	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	291581	52.606	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	309569	50.933	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	187299	48.838	ug/l	98
56) Ethyl methacrylate	10.871	69	293169	52.803	ug/l	98
57) 1,3-Dichloropropane	11.159	76	312579	48.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	673643	295.423	ug/l	96
59) 2-Hexanone	11.194	43	821038	292.977	ug/l	100
60) Dibromochloromethane	11.359	129	230468	51.607	ug/l	98
61) 1,2-Dibromoethane	11.465	107	187838	51.837	ug/l	99
64) Tetrachloroethene	11.100	164	169947	44.219	ug/l	97
65) Chlorobenzene	11.888	112	539558	47.475	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	196143	48.016	ug/l	99
67) Ethyl Benzene	11.959	91	922386	51.812	ug/l	99
68) m/p-Xylenes	12.071	106	712218	105.321	ug/l	99
69) o-Xylene	12.394	106	346414	53.909	ug/l	99
70) Styrene	12.412	104	591747	49.534	ug/l	99
71) Bromoform	12.576	173	155847	51.344	ug/l #	97
73) Isopropylbenzene	12.694	105	869841	52.947	ug/l	99
74) N-amyl acetate	12.494	43	314954	54.364	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	262976	46.518	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	242916m	45.603	ug/l	
77) Bromobenzene	12.976	156	219204	49.387	ug/l	99
78) n-propylbenzene	13.035	91	993387	52.799	ug/l	98
79) 2-Chlorotoluene	13.123	91	622073	49.486	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	720357	53.828	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	97295	53.294	ug/l	94
82) 4-Chlorotoluene	13.218	91	625002	50.152	ug/l	99
83) tert-Butylbenzene	13.435	119	616386	54.772	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	726351	54.859	ug/l	100
85) sec-Butylbenzene	13.612	105	836741	52.624	ug/l	99
86) p-Isopropyltoluene	13.729	119	708723	48.758	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	395116	47.515	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	388377	45.568	ug/l	99
89) n-Butylbenzene	14.053	91	577933	51.194	ug/l	99
90) Hexachloroethane	14.329	117	135173	44.889	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	382829	47.875	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50506	48.652	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	195004	51.177	ug/l	99
94) Hexachlorobutadiene	15.500	225	94445	40.784	ug/l	98
95) Naphthalene	15.641	128	613128	58.611	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	187063	48.901	ug/l	99

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

