

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080437.D
 Acq On : 12 Dec 2023 14:55
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121223

Quant Time: Dec 13 02:31:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	343828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	538436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	476299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	256573	58.425	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.860%			
35) Dibromofluoromethane	8.165	113	199581	58.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.920%			
50) Toluene-d8	10.565	98	741678	58.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 116.500%#			
62) 4-Bromofluorobenzene	12.847	95	270437	55.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	207301	47.180	ug/l	96
3) Chloromethane	2.360	50	207624	44.673	ug/l	99
4) Vinyl Chloride	2.512	62	169236	45.101	ug/l	98
5) Bromomethane	2.959	94	74043	43.767	ug/l	97
6) Chloroethane	3.118	64	104913	43.511	ug/l	96
7) Trichlorofluoromethane	3.501	101	357182	46.931	ug/l	98
8) Diethyl Ether	3.954	74	111989	46.716	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	172996	47.957	ug/l	95
10) Methyl Iodide	4.589	142	143332	45.172	ug/l	90
11) Tert butyl alcohol	5.500	59	113497	219.447	ug/l	99
12) 1,1-Dichloroethene	4.342	96	169624	45.891	ug/l	90
13) Acrolein	4.171	56	126149	222.721	ug/l	97
14) Allyl chloride	5.018	41	205772	44.996	ug/l	95
15) Acrylonitrile	5.712	53	346472	237.089	ug/l	99
16) Acetone	4.418	43	213570	274.280	ug/l	97
17) Carbon Disulfide	4.712	76	462288	44.132	ug/l	100
18) Methyl Acetate	5.012	43	233101	46.525	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	584371	47.387	ug/l	100
20) Methylene Chloride	5.271	84	186726	44.810	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	182946	45.647	ug/l #	79
22) Diisopropyl ether	6.671	45	463727	46.983	ug/l	91
23) Vinyl Acetate	6.600	43	1324299	233.611	ug/l	96
24) 1,1-Dichloroethane	6.559	63	322841	46.881	ug/l	99
25) 2-Butanone	7.477	43	365916	243.941	ug/l	94
26) 2,2-Dichloropropane	7.489	77	328663	46.674	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	211397	46.598	ug/l	92
28) Bromochloromethane	7.812	49	132851	50.246	ug/l	99
29) Tetrahydrofuran	7.836	42	245519	228.573	ug/l	92
30) Chloroform	7.959	83	358993	46.964	ug/l	91
31) Cyclohexane	8.259	56	257889	43.183	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	351526	46.969	ug/l	97
36) 1,1-Dichloropropene	8.371	75	264552	47.394	ug/l	97
37) Ethyl Acetate	7.553	43	156899	44.887	ug/l	98
38) Carbon Tetrachloride	8.359	117	311963	46.773	ug/l	99
39) Methylcyclohexane	9.600	83	264512	45.615	ug/l	90
40) Benzene	8.606	78	746082	46.287	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	92516	45.910	ug/l	94
42) 1,2-Dichloroethane	8.671	62	283551	47.504	ug/l	97
43) Isopropyl Acetate	8.688	43	289119	46.002	ug/l	97
44) Trichloroethene	9.353	130	200530	46.148	ug/l	100
45) 1,2-Dichloropropane	9.618	63	173656	45.871	ug/l	98
46) Dibromomethane	9.706	93	127327	46.833	ug/l #	90
47) Bromodichloromethane	9.888	83	283836	48.713	ug/l	100
48) Methyl methacrylate	9.677	41	172393	45.965	ug/l	91
49) 1,4-Dioxane	9.688	88	45976	808.754	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	798726	230.756	ug/l	100
52) Toluene	10.630	92	481149	47.252	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	303815	48.192	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	322483	47.858	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	176131	48.071	ug/l	97
56) Ethyl methacrylate	10.871	69	195642	48.229	ug/l	91
57) 1,3-Dichloropropane	11.165	76	298786	46.519	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	561265	219.169	ug/l	99
59) 2-Hexanone	11.194	43	575178	225.090	ug/l	100
60) Dibromochloromethane	11.359	129	207252	47.736	ug/l	100
61) 1,2-Dibromoethane	11.471	107	176822	46.629	ug/l	99
64) Tetrachloroethene	11.106	164	174250	47.383	ug/l	93
65) Chlorobenzene	11.894	112	503381	47.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	194677	46.826	ug/l	94
67) Ethyl Benzene	11.965	91	919488	47.196	ug/l	97
68) m/p-Xylenes	12.071	106	686698	95.386	ug/l	90
69) o-Xylene	12.400	106	330287	46.905	ug/l	89
70) Styrene	12.412	104	491973	48.504	ug/l	94
71) Bromoform	12.582	173	137611	45.389	ug/l #	100
73) Isopropylbenzene	12.694	105	865586	47.403	ug/l	98
74) N-amyl acetate	12.494	43	244908	45.929	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	215596	44.062	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	197616m	43.579	ug/l	
77) Bromobenzene	12.982	156	206626	45.999	ug/l	96
78) n-propylbenzene	13.035	91	958208	47.594	ug/l	99
79) 2-Chlorotoluene	13.124	91	613532	46.678	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	735213	46.750	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	73105	42.328	ug/l	87
82) 4-Chlorotoluene	13.224	91	635416	47.032	ug/l	95
83) tert-Butylbenzene	13.441	119	597466	46.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	741812	47.415	ug/l	99
85) sec-Butylbenzene	13.618	105	769403	46.700	ug/l	99
86) p-Isopropyltoluene	13.729	119	705370	47.416	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	368831	46.603	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	368710	46.152	ug/l	99
89) n-Butylbenzene	14.059	91	588713	47.388	ug/l	99
90) Hexachloroethane	14.335	117	108081	45.748	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	354036	47.109	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	46995	45.662	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	198019	47.457	ug/l	96
94) Hexachlorobutadiene	15.506	225	105153	44.266	ug/l	98
95) Naphthalene	15.641	128	600598	47.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	186465	46.309	ug/l	97

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

