

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083024\
 Data File : VN083566.D
 Acq On : 30 Aug 2024 09:41
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/03/2024
 Supervised By :Mahesh Dadoda 09/03/2024

Quant Time: Aug 31 00:33:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:23:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	184567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	55805	21.634	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	43.260%#		
35) Dibromofluoromethane	8.165	113	40613	20.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.120%#		
50) Toluene-d8	10.565	98	148672	20.005	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.000%#		
62) 4-Bromofluorobenzene	12.847	95	57595	20.211	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.420%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43635	22.338	ug/l	98
3) Chloromethane	2.359	50	49135	21.593	ug/l	99
4) Vinyl Chloride	2.512	62	51705	22.705	ug/l	98
5) Bromomethane	2.900	94	25596	21.381	ug/l	98
6) Chloroethane	3.059	64	32614	21.916	ug/l	96
7) Trichlorofluoromethane	3.465	101	87341	23.290	ug/l	96
8) Diethyl Ether	3.959	74	30713	22.909	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	48765	23.977	ug/l	99
10) Methyl Iodide	4.577	142	61892	22.497	ug/l	98
11) Tert butyl alcohol	5.541	59	46616	115.905	ug/l	99
12) 1,1-Dichloroethene	4.330	96	46131	22.815	ug/l	81
13) Acrolein	4.177	56	39893	104.843	ug/l	97
14) Allyl chloride	5.012	41	82869	22.987	ug/l	99
15) Acrylonitrile	5.718	53	115421	116.368	ug/l	99
16) Acetone	4.430	43	115938	112.708	ug/l	97
17) Carbon Disulfide	4.694	76	126860	21.530	ug/l	99
18) Methyl Acetate	5.024	43	57904	21.157	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	165539	23.081	ug/l	100
20) Methylene Chloride	5.265	84	49376	21.737	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	47437	22.523	ug/l	98
22) Diisopropyl ether	6.671	45	163669	23.025	ug/l	99
23) Vinyl Acetate	6.594	43	610277	115.847	ug/l	99
24) 1,1-Dichloroethane	6.559	63	92187	22.741	ug/l	97
25) 2-Butanone	7.482	43	161265	115.144	ug/l	94
26) 2,2-Dichloropropane	7.482	77	88431	23.430	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	58565	23.302	ug/l	100
28) Bromochloromethane	7.812	49	38317	20.241	ug/l	98
29) Tetrahydrofuran	7.841	42	100100	115.226	ug/l	99
30) Chloroform	7.965	83	98541	23.073	ug/l	97
31) Cyclohexane	8.253	56	86596	21.702	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	91251	23.628	ug/l	99
36) 1,1-Dichloropropene	8.365	75	68051	22.585	ug/l	98
37) Ethyl Acetate	7.559	43	64640	21.556	ug/l	99
38) Carbon Tetrachloride	8.359	117	79277	23.060	ug/l	98
39) Methylcyclohexane	9.600	83	84983	23.504	ug/l	98
40) Benzene	8.606	78	207306	22.366	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	37548	21.942	ug/l	98
42) 1,2-Dichloroethane	8.665	62	75770	22.053	ug/l	99
43) Isopropyl Acetate	8.688	43	136993	22.110	ug/l	96
44) Trichloroethene	9.353	130	49404	22.157	ug/l	96
45) 1,2-Dichloropropane	9.618	63	50091	23.199	ug/l	97
46) Dibromomethane	9.706	93	35464	22.263	ug/l	98
47) Bromodichloromethane	9.888	83	76723	22.626	ug/l	99
48) Methyl methacrylate	9.682	41	56081	22.801	ug/l	99
49) 1,4-Dioxane	9.694	88	18990	471.191	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	316919	113.678	ug/l	99
52) Toluene	10.629	92	131676	22.715	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	78605	22.392	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	84361	22.896	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	47141	22.784	ug/l	98
56) Ethyl methacrylate	10.876	69	79889	23.340	ug/l	99
57) 1,3-Dichloropropane	11.165	76	82012	22.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	165917	111.556	ug/l	99
59) 2-Hexanone	11.194	43	237343	113.440	ug/l	99
60) Dibromochloromethane	11.359	129	56054	23.381	ug/l	95
61) 1,2-Dibromoethane	11.465	107	48062	22.736	ug/l	99
64) Tetrachloroethene	11.100	164	40555	22.219	ug/l	98
65) Chlorobenzene	11.888	112	137413	22.066	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48124	22.888	ug/l	98
67) Ethyl Benzene	11.965	91	249053	22.405	ug/l	100
68) m/p-Xylenes	12.070	106	188930	45.116	ug/l	98
69) o-Xylene	12.394	106	91064	22.499	ug/l	100
70) Styrene	12.412	104	150611	22.131	ug/l	98
71) Bromoform	12.576	173	33921	22.650	ug/l #	99
73) Isopropylbenzene	12.694	105	236520	22.347	ug/l	99
74) N-amyl acetate	12.494	43	103118	22.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	67332	22.409	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	58073m	20.982	ug/l	
77) Bromobenzene	12.982	156	54818	22.076	ug/l	98
78) n-propylbenzene	13.035	91	271408	22.179	ug/l	100
79) 2-Chlorotoluene	13.123	91	175972	22.192	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	200926	22.535	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	24474	21.864	ug/l	96
82) 4-Chlorotoluene	13.217	91	174870	21.708	ug/l	100
83) tert-Butylbenzene	13.435	119	178973	22.578	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	203236	22.646	ug/l	99
85) sec-Butylbenzene	13.612	105	238571	22.643	ug/l	100
86) p-Isopropyltoluene	13.729	119	197010	22.387	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	104354	21.649	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	105092	21.219	ug/l	99
89) n-Butylbenzene	14.053	91	171243	22.122	ug/l	99
90) Hexachloroethane	14.329	117	38767	22.632	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	102619	22.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14539	22.311	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	55716	21.166	ug/l	99
94) Hexachlorobutadiene	15.500	225	22866	21.692	ug/l	99
95) Naphthalene	15.641	128	186562	22.059	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	56346	21.428	ug/l	100

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

