

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051524\
 Data File : VN082131.D
 Acq On : 15 May 2024 14:13
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: May 16 04:58:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 04:51:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/16/2024
 Supervised By : Mahesh Dadoda 05/16/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	201628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	346705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	61109	19.194	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.380%#		
35) Dibromofluoromethane	8.165	113	41318	19.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.740%#		
50) Toluene-d8	10.565	98	153956	18.828	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.660%#		
62) 4-Bromofluorobenzene	12.853	95	54716	18.748	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	37.500%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	57181	19.670	ug/l	96
3) Chloromethane	2.365	50	67384	20.454	ug/l	96
4) Vinyl Chloride	2.512	62	63274	20.430	ug/l	98
5) Bromomethane	2.948	94	36780	20.660	ug/l	95
6) Chloroethane	3.118	64	40806	20.178	ug/l	96
7) Trichlorofluoromethane	3.501	101	84479	20.830	ug/l	99
8) Diethyl Ether	3.959	74	31996	22.146	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.371	101	47345	19.984	ug/l	97
10) Methyl Iodide	4.589	142	47928	20.124	ug/l	96
11) Tert butyl alcohol	5.512	59	52897	103.504	ug/l	97
12) 1,1-Dichloroethene	4.342	96	46688	21.202	ug/l #	75
13) Acrolein	4.177	56	38421	101.450	ug/l	98
14) Allyl chloride	5.024	41	96831	20.539	ug/l #	91
15) Acrylonitrile	5.718	53	137788	104.101	ug/l	99
16) Acetone	4.424	43	124605	95.407	ug/l	96
17) Carbon Disulfide	4.712	76	139918	19.673	ug/l	98
18) Methyl Acetate	5.018	43	66416	20.420	ug/l #	82
19) Methyl tert-butyl Ether	5.800	73	169146	21.015	ug/l #	91
20) Methylene Chloride	5.277	84	53974	20.483	ug/l #	76
21) trans-1,2-Dichloroethene	5.783	96	49200	20.503	ug/l #	76
22) Diisopropyl ether	6.671	45	205411	20.865	ug/l #	92
23) Vinyl Acetate	6.606	43	841380	108.401	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	104766	20.647	ug/l	96
25) 2-Butanone	7.483	43	200641	101.326	ug/l #	84
26) 2,2-Dichloropropane	7.489	77	88351	20.788	ug/l	94
27) cis-1,2-Dichloroethene	7.483	96	58575	20.684	ug/l	79
28) Bromochloromethane	7.812	49	44878	19.742	ug/l #	74
29) Tetrahydrofuran	7.841	42	132384	104.127	ug/l #	81
30) Chloroform	7.965	83	100418	20.724	ug/l	100
31) Cyclohexane	8.253	56	100863	19.836	ug/l	86
32) 1,1,1-Trichloroethane	8.165	97	90712	21.102	ug/l	95
36) 1,1-Dichloropropene	8.371	75	72978	20.402	ug/l	95
37) Ethyl Acetate	7.559	43	83060	20.749	ug/l #	94
38) Carbon Tetrachloride	8.365	117	74935	20.666	ug/l	96
39) Methylcyclohexane	9.600	83	80540	20.541	ug/l #	84
40) Benzene	8.606	78	221807	20.795	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	46325	19.677	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	85192	20.766	ug/l	94
43) Isopropyl Acetate	8.688	43	147499	20.794	ug/l #	88
44) Trichloroethene	9.353	130	48507	20.020	ug/l	94
45) 1,2-Dichloropropane	9.624	63	57026	20.721	ug/l	94
46) Dibromomethane	9.712	93	37165	20.569	ug/l	96
47) Bromodichloromethane	9.888	83	80006	20.975	ug/l #	97
48) Methyl methacrylate	9.683	41	68702	20.327	ug/l #	82
49) 1,4-Dioxane	9.694	88	19613	414.109	ug/l #	73
51) 4-Methyl-2-Pentanone	10.447	43	421371	104.555	ug/l	89
52) Toluene	10.630	92	134564	21.022	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	82578	20.932	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	87799	21.026	ug/l #	79
55) 1,1,2-Trichloroethane	11.018	97	47191	20.287	ug/l	98
56) Ethyl methacrylate	10.877	69	84200	21.320	ug/l #	70
57) 1,3-Dichloropropane	11.165	76	88842	20.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	217517	106.777	ug/l	89
59) 2-Hexanone	11.194	43	312038	105.744	ug/l	87
60) Dibromochloromethane	11.359	129	54703	21.309	ug/l	96
61) 1,2-Dibromoethane	11.471	107	49833	20.857	ug/l	96
64) Tetrachloroethene	11.106	164	47433	20.434	ug/l	98
65) Chlorobenzene	11.894	112	138693	20.046	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48142	21.124	ug/l	99
67) Ethyl Benzene	11.965	91	256208	20.701	ug/l	97
68) m/p-Xylenes	12.071	106	188158	41.480	ug/l	92
69) o-Xylene	12.400	106	90529	20.603	ug/l	90
70) Styrene	12.412	104	153767	21.068	ug/l	95
71) Bromoform	12.582	173	35204	19.851	ug/l #	100
73) Isopropylbenzene	12.694	105	235348	20.875	ug/l	98
74) N-amyl acetate	12.494	43	126536	20.405	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	66119	20.345	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	64611m	21.662	ug/l	
77) Bromobenzene	12.982	156	54973	20.461	ug/l	86
78) n-propylbenzene	13.035	91	279519	20.937	ug/l	97
79) 2-Chlorotoluene	13.123	91	173101	20.649	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	194647	21.352	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	25648	21.115	ug/l #	81
82) 4-Chlorotoluene	13.223	91	171643	20.941	ug/l	93
83) tert-Butylbenzene	13.441	119	164608	20.640	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	197575	21.184	ug/l	98
85) sec-Butylbenzene	13.618	105	231164	20.912	ug/l	98
86) p-Isopropyltoluene	13.729	119	189870	21.135	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	99704	20.483	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	101185	20.367	ug/l	97
89) n-Butylbenzene	14.059	91	169582	21.001	ug/l	98
90) Hexachloroethane	14.335	117	35468	21.308	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	95504	20.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13533	20.267	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	52250	20.231	ug/l	99
94) Hexachlorobutadiene	15.500	225	22715	20.044	ug/l	95
95) Naphthalene	15.641	128	168920	20.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	52074	20.141	ug/l	95

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

