

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078569.D
 Acq On : 18 Jul 2023 18:29
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 01:54:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	462603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	800883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	720468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	316111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	321985	51.919	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.840%			
35) Dibromofluoromethane	8.177	113	280065	51.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	10.571	98	1040654	50.670	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.853	95	331741	52.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	234412	41.330	ug/l	99
3) Chloromethane	2.371	50	298977	48.498	ug/l	97
4) Vinyl Chloride	2.518	62	356470	44.700	ug/l	100
5) Bromomethane	2.942	94	230818	45.292	ug/l	99
6) Chloroethane	3.112	64	224553	46.411	ug/l	100
7) Trichlorofluoromethane	3.501	101	441322	46.295	ug/l	99
8) Diethyl Ether	3.971	74	154270	48.572	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.383	101	239155	47.392	ug/l	97
10) Methyl Iodide	4.595	142	341426	49.237	ug/l	94
11) Tert butyl alcohol	5.542	59	245896	257.128	ug/l	99
12) 1,1-Dichloroethene	4.353	96	229548	47.026	ug/l	93
13) Acrolein	4.189	56	217098	230.737	ug/l	98
14) Allyl chloride	5.030	41	297091	44.541	ug/l	92
15) Acrylonitrile	5.730	53	623440	258.019	ug/l	99
16) Acetone	4.442	43	468625	242.581	ug/l	99
17) Carbon Disulfide	4.724	76	560626	39.718	ug/l	98
18) Methyl Acetate	5.042	43	416315	50.908	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	819409	50.949	ug/l	99
20) Methylene Chloride	5.283	84	288720	52.157	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	261881	47.609	ug/l	86
22) Diisopropyl ether	6.683	45	789819	52.883	ug/l #	92
23) Vinyl Acetate	6.612	43	2462615	259.365	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	491594	48.848	ug/l	99
25) 2-Butanone	7.494	43	785678	258.365	ug/l	88
26) 2,2-Dichloropropane	7.494	77	373334	45.357	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	318311	50.023	ug/l	96
28) Bromochloromethane	7.818	49	245650	51.824	ug/l	92
29) Tetrahydrofuran	7.847	42	524241	262.728	ug/l	85
30) Chloroform	7.971	83	538672	51.413	ug/l	95
31) Cyclohexane	8.265	56	375820	44.840	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	477610	50.844	ug/l	98
36) 1,1-Dichloropropene	8.377	75	379519	48.346	ug/l	98
37) Ethyl Acetate	7.571	43	339462	51.875	ug/l #	94
38) Carbon Tetrachloride	8.371	117	426873	50.034	ug/l	99
39) Methylcyclohexane	9.606	83	343916	47.996	ug/l	91
40) Benzene	8.612	78	1163405	50.025	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	170828	51.207	ug/l	92
42) 1,2-Dichloroethane	8.677	62	400270	50.601	ug/l	97
43) Isopropyl Acetate	8.694	43	709125	65.820	ug/l #	86
44) Trichloroethene	9.359	130	297492	47.462	ug/l	95
45) 1,2-Dichloropropane	9.630	63	299008	50.764	ug/l	96
46) Dibromomethane	9.712	93	217025	52.349	ug/l	94
47) Bromodichloromethane	9.894	83	435900	52.453	ug/l	98
48) Methyl methacrylate	9.688	41	259580	52.006	ug/l	90
49) 1,4-Dioxane	9.700	88	117468	1079.152	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1739415	271.430	ug/l	94
52) Toluene	10.635	92	733107	50.862	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	438029	51.450	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	474901	52.330	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	300463	52.908	ug/l	95
56) Ethyl methacrylate	10.882	69	440133	55.443	ug/l	93
57) 1,3-Dichloropropane	11.165	76	498098	51.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	754161	266.575	ug/l	92
59) 2-Hexanone	11.200	43	1242603	272.831	ug/l	92
60) Dibromochloromethane	11.365	129	340207	54.264	ug/l	98
61) 1,2-Dibromoethane	11.476	107	307351	52.538	ug/l	98
64) Tetrachloroethene	11.112	164	245023	45.235	ug/l	97
65) Chlorobenzene	11.894	112	789704	49.037	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	317327	51.221	ug/l	98
67) Ethyl Benzene	11.971	91	1404091	51.581	ug/l	97
68) m/p-Xylenes	12.076	106	1064109	105.728	ug/l	98
69) o-Xylene	12.406	106	527690	51.909	ug/l	98
70) Styrene	12.418	104	864309	54.346	ug/l	98
71) Bromoform	12.582	173	227082	54.122	ug/l #	98
73) Isopropylbenzene	12.700	105	1301821	43.828	ug/l	98
74) N-amyl acetate	12.500	43	462514	45.184	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	427702	51.656	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	334320m	43.755	ug/l	
77) Bromobenzene	12.988	156	315917	48.873	ug/l	95
78) n-propylbenzene	13.041	91	1458476	45.913	ug/l	100
79) 2-Chlorotoluene	13.129	91	918524	44.145	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1073765	45.752	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	125089	43.021	ug/l	94
82) 4-Chlorotoluene	13.229	91	875342	45.097	ug/l	97
83) tert-Butylbenzene	13.441	119	910729	45.707	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1062050	46.589	ug/l	98
85) sec-Butylbenzene	13.623	105	1158665	46.005	ug/l	99
86) p-Isopropyltoluene	13.735	119	951568	47.053	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	520880	45.680	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	511249	44.512	ug/l	98
89) n-Butylbenzene	14.059	91	716434	49.512	ug/l	97
90) Hexachloroethane	14.341	117	187571	50.470	ug/l	84
91) 1,2-Dichlorobenzene	14.112	146	512037	45.122	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	66887	46.919	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	161672	44.640	ug/l	98
94) Hexachlorobutadiene	15.506	225	92985	49.596	ug/l	98
95) Naphthalene	15.647	128	476777	38.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	178669	42.904	ug/l	97

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

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