

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061824\
 Data File : VN082620.D
 Acq On : 18 Jun 2024 09:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2024
 Supervised By : Mahesh Dadoda 06/19/2024

Quant Time: Jun 19 00:50:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	194164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	317932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	295655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	159778	51.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.620%			
35) Dibromofluoromethane	8.171	113	111272	51.591	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.180%			
50) Toluene-d8	10.571	98	433320	53.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.853	95	153390	54.548	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	125861	46.414	ug/l	99
3) Chloromethane	2.359	50	140111	43.101	ug/l	99
4) Vinyl Chloride	2.512	62	138029	44.617	ug/l	99
5) Bromomethane	2.942	94	81774	41.062	ug/l	96
6) Chloroethane	3.112	64	96479	43.735	ug/l	95
7) Trichlorofluoromethane	3.489	101	179480	44.469	ug/l	98
8) Diethyl Ether	3.965	74	61285	44.586	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	104456	46.205	ug/l	100
10) Methyl Iodide	4.583	142	111293	51.681	ug/l	98
11) Tert butyl alcohol	5.524	59	116191	228.004	ug/l	98
12) 1,1-Dichloroethene	4.342	96	95614	44.228	ug/l	92
13) Acrolein	4.177	56	108530	209.066	ug/l	97
14) Allyl chloride	5.024	41	187809	44.420	ug/l	98
15) Acrylonitrile	5.718	53	317652	236.145	ug/l	100
16) Acetone	4.430	43	308821	218.084	ug/l	99
17) Carbon Disulfide	4.706	76	294415	42.883	ug/l	96
18) Methyl Acetate	5.024	43	156678	45.238	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	355365	48.022	ug/l	99
20) Methylene Chloride	5.277	84	116534	46.809	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	105512	45.923	ug/l	96
22) Diisopropyl ether	6.671	45	430576	48.560	ug/l	96
23) Vinyl Acetate	6.606	43	1739183	247.346	ug/l	99
24) 1,1-Dichloroethane	6.565	63	221081	46.027	ug/l	99
25) 2-Butanone	7.488	43	477229	237.102	ug/l	99
26) 2,2-Dichloropropane	7.488	77	191579	45.977	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	127547	46.073	ug/l	98
28) Bromochloromethane	7.818	49	109406	49.910	ug/l	99
29) Tetrahydrofuran	7.841	42	316873	257.167	ug/l	99
30) Chloroform	7.965	83	222795	47.550	ug/l	99
31) Cyclohexane	8.259	56	197440	43.938	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	199128	46.866	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158166	49.056	ug/l	99
37) Ethyl Acetate	7.565	43	188993	46.017	ug/l	100
38) Carbon Tetrachloride	8.365	117	171548	47.212	ug/l	97
39) Methylcyclohexane	9.606	83	168154	49.557	ug/l	97
40) Benzene	8.606	78	481385	48.320	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	102636	48.889	ug/l	99
42) 1,2-Dichloroethane	8.671	62	184448	48.674	ug/l	100
43) Isopropyl Acetate	8.694	43	344990	44.947	ug/l	100
44) Trichloroethene	9.353	130	108775	47.021	ug/l	100
45) 1,2-Dichloropropane	9.624	63	125086	48.779	ug/l	95
46) Dibromomethane	9.712	93	84022	48.336	ug/l	98
47) Bromodichloromethane	9.888	83	176885	47.730	ug/l	98
48) Methyl methacrylate	9.682	41	155542	49.158	ug/l	100
49) 1,4-Dioxane	9.700	88	52296	1056.645	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	1014468	257.688	ug/l	100
52) Toluene	10.635	92	305403	50.584	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	192601	50.837	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	196935	50.268	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	112088	51.293	ug/l	96
56) Ethyl methacrylate	10.877	69	191034	52.782	ug/l	100
57) 1,3-Dichloropropane	11.165	76	201325	49.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	505768	264.163	ug/l	98
59) 2-Hexanone	11.200	43	775707	259.247	ug/l	100
60) Dibromochloromethane	11.365	129	137118	51.402	ug/l	99
61) 1,2-Dibromoethane	11.471	107	113095	49.086	ug/l	99
64) Tetrachloroethene	11.106	164	108133	44.358	ug/l	96
65) Chlorobenzene	11.894	112	324252	47.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	117818	48.734	ug/l	99
67) Ethyl Benzene	11.965	91	583331	50.495	ug/l	100
68) m/p-Xylenes	12.071	106	451166	104.976	ug/l	99
69) o-Xylene	12.400	106	211224	52.311	ug/l	98
70) Styrene	12.412	104	376837	54.987	ug/l	98
71) Bromoform	12.582	173	96027	50.240	ug/l #	99
73) Isopropylbenzene	12.700	105	546008	47.144	ug/l	100
74) N-amyl acetate	12.494	43	292823	47.374	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	166751	44.139	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	162748m	43.627	ug/l	
77) Bromobenzene	12.982	156	134220	45.023	ug/l	99
78) n-propylbenzene	13.035	91	665427	48.572	ug/l	100
79) 2-Chlorotoluene	13.129	91	401610	46.746	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	463801	49.346	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	76619	49.138	ug/l	97
82) 4-Chlorotoluene	13.223	91	410993	47.888	ug/l	100
83) tert-Butylbenzene	13.441	119	385632	48.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	474472	50.323	ug/l	99
85) sec-Butylbenzene	13.618	105	553691	48.696	ug/l	99
86) p-Isopropyltoluene	13.729	119	466809	50.982	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	251259	46.484	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	250335	44.309	ug/l	99
89) n-Butylbenzene	14.059	91	402902	49.607	ug/l	100
90) Hexachloroethane	14.335	117	90206	45.279	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	240359	45.542	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36669	45.863	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	125496	45.094	ug/l	100
94) Hexachlorobutadiene	15.506	225	54862	39.982	ug/l	99
95) Naphthalene	15.641	128	420309	49.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	128635	45.356	ug/l	98

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

