

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
 Data File : VN080644.D
 Acq On : 03 Jan 2024 17:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/04/2024
 Supervised By :Mahesh Dadoda 01/04/2024

Quant Time: Jan 04 02:02:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	341196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	553886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	484405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	223083	50.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	8.165	113	184901	51.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	10.565	98	700936	56.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.080%			
62) 4-Bromofluorobenzene	12.853	95	248371	59.004	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	185380	48.911	ug/l	98
3) Chloromethane	2.359	50	258406	61.931	ug/l	98
4) Vinyl Chloride	2.518	62	231839	54.967	ug/l	98
5) Bromomethane	2.948	94	96120	59.971	ug/l	96
6) Chloroethane	3.118	64	136254	51.743	ug/l	100
7) Trichlorofluoromethane	3.500	101	299584	49.744	ug/l	97
8) Diethyl Ether	3.959	74	113275	54.770	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.371	101	168367	51.214	ug/l	95
10) Methyl Iodide	4.589	142	121846	53.645	ug/l	100
11) Tert butyl alcohol	5.506	59	127508	216.556	ug/l	99
12) 1,1-Dichloroethene	4.336	96	168352	53.388	ug/l	94
13) Acrolein	4.171	56	246295	369.969	ug/l	97
14) Allyl chloride	5.018	41	224849	46.968	ug/l	94
15) Acrylonitrile	5.712	53	396326	236.003	ug/l	99
16) Acetone	4.424	43	254971	214.315	ug/l	99
17) Carbon Disulfide	4.712	76	399013	47.054	ug/l	99
18) Methyl Acetate	5.018	43	322845	48.947	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	588600	51.847	ug/l	99
20) Methylene Chloride	5.277	84	198730	52.352	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	181527	47.644	ug/l	84
22) Diisopropyl ether	6.665	45	553875	52.087	ug/l	91
23) Vinyl Acetate	6.600	43	1362949	231.098	ug/l	93
24) 1,1-Dichloroethane	6.565	63	346327	48.591	ug/l	99
25) 2-Butanone	7.483	43	434988	195.624	ug/l	90
26) 2,2-Dichloropropane	7.488	77	306971	49.478	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	217278	47.946	ug/l	90
28) Bromochloromethane	7.812	49	142504	43.000	ug/l	92
29) Tetrahydrofuran	7.835	42	296481	204.448	ug/l	86
30) Chloroform	7.965	83	369690	51.664	ug/l	94
31) Cyclohexane	8.259	56	251096	42.405	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	327527	50.762	ug/l	99
36) 1,1-Dichloropropene	8.371	75	260165	47.189	ug/l	97
37) Ethyl Acetate	7.553	43	179627	43.179	ug/l	98
38) Carbon Tetrachloride	8.365	117	284035	50.360	ug/l	98
39) Methylcyclohexane	9.600	83	236784	52.363	ug/l	89
40) Benzene	8.606	78	796717	49.560	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	113830	44.371	ug/l	90
42) 1,2-Dichloroethane	8.671	62	271880	53.223	ug/l	99
43) Isopropyl Acetate	8.688	43	316981	47.010	ug/l	98
44) Trichloroethene	9.353	130	197238	47.927	ug/l	98
45) 1,2-Dichloropropane	9.624	63	201802	53.858	ug/l	93
46) Dibromomethane	9.706	93	131240	52.059	ug/l	89
47) Bromodichloromethane	9.888	83	289531	54.791	ug/l	97
48) Methyl methacrylate	9.682	41	191094	51.041	ug/l #	85
49) 1,4-Dioxane	9.694	88	53461	893.374	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	946542	246.809	ug/l	100
52) Toluene	10.629	92	491686	56.090	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	298869	56.101	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	330061	55.358	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	191333	55.026	ug/l	96
56) Ethyl methacrylate	10.876	69	202440	59.437	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	332518	56.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	749168	311.478	ug/l	95
59) 2-Hexanone	11.194	43	679322	235.017	ug/l	100
60) Dibromochloromethane	11.359	129	212388	54.853	ug/l	98
61) 1,2-Dibromoethane	11.471	107	185287	52.850	ug/l	98
64) Tetrachloroethene	11.106	164	162703	50.266	ug/l	97
65) Chlorobenzene	11.894	112	510357	50.645	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	197462	50.941	ug/l	96
67) Ethyl Benzene	11.965	91	895131	53.133	ug/l	97
68) m/p-Xylenes	12.070	106	669737	107.140	ug/l	93
69) o-Xylene	12.400	106	328228	53.463	ug/l	93
70) Styrene	12.412	104	503765	56.426	ug/l	97
71) Bromoform	12.582	173	139117	50.735	ug/l #	100
73) Isopropylbenzene	12.700	105	825157	53.774	ug/l	98
74) N-amyl acetate	12.494	43	258268	47.708	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	245984	46.452	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	221585m	45.952	ug/l	
77) Bromobenzene	12.982	156	205372	50.391	ug/l	99
78) n-propylbenzene	13.035	91	938589	53.487	ug/l	99
79) 2-Chlorotoluene	13.129	91	596729	52.089	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	698245	53.889	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	78630	44.169	ug/l #	85
82) 4-Chlorotoluene	13.223	91	602408	51.419	ug/l	98
83) tert-Butylbenzene	13.441	119	559200	51.638	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	700705	53.409	ug/l	99
85) sec-Butylbenzene	13.617	105	743077	51.853	ug/l	99
86) p-Isopropyltoluene	13.729	119	654345	48.066	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	356669	48.559	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	353076	47.820	ug/l	98
89) n-Butylbenzene	14.059	91	550736	51.423	ug/l	99
90) Hexachloroethane	14.335	117	110460	49.379	ug/l	80
91) 1,2-Dichlorobenzene	14.106	146	342337	48.288	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	44855	41.040	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	186693	49.912	ug/l	98
94) Hexachlorobutadiene	15.506	225	93112	48.237	ug/l	99
95) Naphthalene	15.641	128	568169	48.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	176880	46.777	ug/l	97

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

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