

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082675.D
 Acq On : 21 Jun 2024 13:44
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2024
 Supervised By : Mahesh Dadoda 06/24/2024

Quant Time: Jun 24 02:19:49 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	8.224	168	172528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	286421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	274100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147460	53.298	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.600%			
35) Dibromofluoromethane	8.171	113	101655	52.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.640%			
50) Toluene-d8	10.571	98	384078	52.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.540%			
62) 4-Bromofluorobenzene	12.853	95	133990	52.891	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	110628	45.912	ug/l	97
3) Chloromethane	2.359	50	137859	47.727	ug/l	97
4) Vinyl Chloride	2.512	62	135136	49.160	ug/l	99
5) Bromomethane	2.936	94	78309	44.254	ug/l	91
6) Chloroethane	3.106	64	101882	51.976	ug/l	97
7) Trichlorofluoromethane	3.489	101	165822	46.237	ug/l	97
8) Diethyl Ether	3.959	74	58642	48.014	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	94618	47.102	ug/l	100
10) Methyl Iodide	4.589	142	81168	42.419	ug/l	94
11) Tert butyl alcohol	5.524	59	114479	252.816	ug/l	99
12) 1,1-Dichloroethene	4.336	96	89997	46.850	ug/l	97
13) Acrolein	4.183	56	96792	209.837	ug/l	99
14) Allyl chloride	5.018	41	189457	50.429	ug/l	90
15) Acrylonitrile	5.718	53	323031	270.260	ug/l	100
16) Acetone	4.430	43	288588	229.353	ug/l	95
17) Carbon Disulfide	4.706	76	260029	42.624	ug/l	100
18) Methyl Acetate	5.024	43	168310	54.691	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	351588	53.470	ug/l	98
20) Methylene Chloride	5.277	84	113361	51.244	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	99420	48.698	ug/l	95
22) Diisopropyl ether	6.677	45	422444	53.617	ug/l	97
23) Vinyl Acetate	6.606	43	1683929	269.520	ug/l	100
24) 1,1-Dichloroethane	6.571	63	218422	51.176	ug/l	99
25) 2-Butanone	7.489	43	468301	261.844	ug/l	99
26) 2,2-Dichloropropane	7.489	77	142875	38.589	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	122436	49.773	ug/l	97
28) Bromochloromethane	7.818	49	100613	51.655	ug/l	98
29) Tetrahydrofuran	7.841	42	312404	285.336	ug/l	99
30) Chloroform	7.971	83	220531	52.969	ug/l	98
31) Cyclohexane	8.259	56	168441	42.185	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	187993	49.794	ug/l	99
36) 1,1-Dichloropropene	8.377	75	145264	50.011	ug/l	99
37) Ethyl Acetate	7.565	43	192982	52.158	ug/l	99
38) Carbon Tetrachloride	8.365	117	161511	49.340	ug/l	99
39) Methylcyclohexane	9.606	83	141741	46.369	ug/l	95
40) Benzene	8.612	78	462463	51.527	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	106995	56.572	ug/l	98
42) 1,2-Dichloroethane	8.671	62	185208	54.251	ug/l	100
43) Isopropyl Acetate	8.694	43	325856	47.125	ug/l	99
44) Trichloroethene	9.353	130	100827	48.380	ug/l	96
45) 1,2-Dichloropropane	9.624	63	122739	53.130	ug/l	99
46) Dibromomethane	9.712	93	84106	53.708	ug/l	99
47) Bromodichloromethane	9.888	83	179770	53.845	ug/l	99
48) Methyl methacrylate	9.688	41	156591	54.934	ug/l	99
49) 1,4-Dioxane	9.694	88	53423	1198.169	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	1039067	292.974	ug/l	100
52) Toluene	10.630	92	287124	52.789	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	178649	52.343	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	185336	52.512	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	112377	57.083	ug/l	95
56) Ethyl methacrylate	10.877	69	189752	58.196	ug/l	100
57) 1,3-Dichloropropane	11.165	76	198970	54.671	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	494798	286.865	ug/l	99
59) 2-Hexanone	11.200	43	781032	289.744	ug/l	100
60) Dibromochloromethane	11.359	129	135949	56.571	ug/l	99
61) 1,2-Dibromoethane	11.471	107	114080	54.961	ug/l	99
64) Tetrachloroethene	11.106	164	101296	44.821	ug/l	99
65) Chlorobenzene	11.894	112	308057	49.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	115631	51.591	ug/l	100
67) Ethyl Benzene	11.965	91	542181	50.623	ug/l	98
68) m/p-Xylenes	12.071	106	418961	105.149	ug/l	99
69) o-Xylene	12.400	106	197985	52.888	ug/l	99
70) Styrene	12.412	104	355521	55.956	ug/l	100
71) Bromoform	12.582	173	95519	53.904	ug/l #	99
73) Isopropylbenzene	12.700	105	497454	47.250	ug/l	100
74) N-amyl acetate	12.494	43	288137	51.281	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	171039	49.805	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	165652m	48.849	ug/l	
77) Bromobenzene	12.982	156	130311	48.086	ug/l	98
78) n-propylbenzene	13.035	91	611509	49.104	ug/l	100
79) 2-Chlorotoluene	13.129	91	377043	48.279	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	432647	50.638	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61587m	43.450	ug/l	
82) 4-Chlorotoluene	13.223	91	381552	48.907	ug/l	100
83) tert-Butylbenzene	13.441	119	354242	48.675	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	440820	51.433	ug/l	99
85) sec-Butylbenzene	13.618	105	503025	48.667	ug/l	99
86) p-Isopropyltoluene	13.729	119	422138	50.718	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	240924	49.033	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	241400	47.003	ug/l	99
89) n-Butylbenzene	14.059	91	359970	48.756	ug/l	100
90) Hexachloroethane	14.335	117	86218	47.609	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	234931	48.968	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	37384	51.437	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	116495	46.049	ug/l	99
94) Hexachlorobutadiene	15.500	225	48707	39.048	ug/l	99
95) Naphthalene	15.641	128	405144	52.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	122091	47.356	ug/l	98

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

