

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074620.D
 Acq On : 21 Sep 2022 17:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 22 06:59:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

09/22/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	313833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	586903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	549720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	251116	50.000	ug/l	0.00

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System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	270305	50.762	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.520%	
35) Dibromofluoromethane	7.951	113	206262	52.905	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.820%	
50) Toluene-d8	10.380	98	766008	50.804	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.674	95	265862	51.483	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.960%	

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	118894	34.810	ug/l	99
3) Chloromethane	2.263	50	251790	43.860	ug/l	98
4) Vinyl Chloride	2.404	62	331658	53.946	ug/l	95
5) Bromomethane	2.775	94	261794	80.745	ug/l	100
6) Chloroethane	2.934	64	299956	71.427	ug/l	100
7) Trichlorofluoromethane	3.293	101	318208	46.869	ug/l	99
8) Diethyl Ether	3.751	74	142548	41.172	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.122	101	179887	42.827	ug/l	86
10) Methyl Iodide	4.345	142	208255	42.029	ug/l	94
11) Tert butyl alcohol	5.292	59	363329	209.458	ug/l	100
12) 1,1-Dichloroethene	4.104	96	169611	41.120	ug/l #	95
13) Acrolein	3.975	56	153076	241.650	ug/l	92
14) Allyl chloride	4.751	41	420688	42.625	ug/l #	92
15) Acrylonitrile	5.469	53	972854	249.641	ug/l	98
16) Acetone	4.222	43	839097	246.256	ug/l	94
17) Carbon Disulfide	4.445	76	412200	36.368	ug/l #	94
18) Methyl Acetate	4.769	43	508505	48.048	ug/l #	86
19) Methyl tert-butyl Ether	5.522	73	760905	43.679	ug/l	99
20) Methylene Chloride	5.004	84	226807	43.603	ug/l #	76
21) trans-1,2-Dichloroethene	5.510	96	193865	42.765	ug/l	98
22) Diisopropyl ether	6.410	45	977807	49.338	ug/l #	93
23) Vinyl Acetate	6.345	43	4368927	249.939	ug/l #	91
24) 1,1-Dichloroethane	6.304	63	438896	44.304	ug/l	99
25) 2-Butanone	7.257	43	1488100	263.037	ug/l #	87
26) 2,2-Dichloropropane	7.245	77	326932	38.279	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	242017	41.648	ug/l	88
28) Bromochloromethane	7.586	49	138693	47.540	ug/l #	65
29) Tetrahydrofuran	7.610	42	1009178	271.310	ug/l #	82
30) Chloroform	7.745	83	438609	47.969	ug/l	99
31) Cyclohexane	8.022	56	384377	40.668	ug/l	92
32) 1,1,1-Trichloroethane	7.939	97	352555	43.963	ug/l	95
36) 1,1-Dichloropropene	8.145	75	308076	44.643	ug/l	95
37) Ethyl Acetate	7.334	43	558597	52.415	ug/l #	92
38) Carbon Tetrachloride	8.133	117	291503	45.752	ug/l	97
39) Methylcyclohexane	9.392	83	357711	43.593	ug/l	92
40) Benzene	8.386	78	992469	46.509	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.563	41	259959	50.454	ug/l	#	84
42) 1,2-Dichloroethane	8.463	62	358371	48.938	ug/l		97
43) Isopropyl Acetate	8.492	43	861392	51.601	ug/l	#	89
44) Trichloroethene	9.151	130	198917	43.079	ug/l		100
45) 1,2-Dichloropropane	9.428	63	274852	46.867	ug/l		97
46) Dibromomethane	9.516	93	178935	48.716	ug/l	#	83
47) Bromodichloromethane	9.698	83	350028	48.608	ug/l		97
48) Methyl methacrylate	9.498	41	376288	50.836	ug/l	#	80
49) 1,4-Dioxane	9.504	88	155112	1089.975	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.275	43	3176715	291.413	ug/l	#	86
52) Toluene	10.445	92	611680	48.882	ug/l		96
53) t-1,3-Dichloropropene	10.663	75	399874	47.646	ug/l		96
54) cis-1,3-Dichloropropene	10.127	75	422109	46.998	ug/l	#	85
55) 1,1,2-Trichloroethane	10.839	97	256664	48.424	ug/l		93
56) Ethyl methacrylate	10.704	69	478125	50.499	ug/l	#	75
57) 1,3-Dichloropropane	10.986	76	479260	51.571	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.980	63	910757	218.574	ug/l	#	87
59) 2-Hexanone	11.027	43	2459016	295.493	ug/l		85
60) Dibromochloromethane	11.180	129	258923	51.028	ug/l		98
61) 1,2-Dibromoethane	11.286	107	262656	51.009	ug/l		98
64) Tetrachloroethene	10.916	164	156962	41.606	ug/l		97
65) Chlorobenzene	11.710	112	630055	45.654	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.786	131	232301	46.330	ug/l		98
67) Ethyl Benzene	11.786	91	1214213	47.922	ug/l		98
68) m/p-Xylenes	11.898	106	899172	95.983	ug/l		96
69) o-Xylene	12.221	106	463878	48.566	ug/l		99
70) Styrene	12.233	104	762522	47.992	ug/l		98
71) Bromoform	12.398	173	183195	49.710	ug/l	#	97
73) Isopropylbenzene	12.521	105	1187976	46.202	ug/l		99
74) N-amyl acetate	12.333	43	797330	49.596	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.768	83	487510	47.313	ug/l		98
76) 1,2,3-Trichloropropane	12.821	75	373740m	48.352	ug/l		
77) Bromobenzene	12.804	156	248604	45.262	ug/l		72
78) n-propylbenzene	12.863	91	1449391	47.329	ug/l		93
79) 2-Chlorotoluene	12.951	91	807682	44.181	ug/l		97
80) 1,3,5-Trimethylbenzene	13.004	105	983087	46.903	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.568	75	146910	41.022	ug/l		91
82) 4-Chlorotoluene	13.045	91	800597	46.074	ug/l		97
83) tert-Butylbenzene	13.268	119	861629	45.169	ug/l		97
84) 1,2,4-Trimethylbenzene	13.310	105	990766	46.971	ug/l		99
85) sec-Butylbenzene	13.445	105	1270183	48.494	ug/l		96
86) p-Isopropyltoluene	13.557	119	996712	48.811	ug/l		98
87) 1,3-Dichlorobenzene	13.557	146	477730	47.332	ug/l		99
88) 1,4-Dichlorobenzene	13.633	146	468759	46.210	ug/l		99
89) n-Butylbenzene	13.886	91	897602	48.769	ug/l		95
90) Hexachloroethane	14.151	117	195223	43.940	ug/l		77
91) 1,2-Dichlorobenzene	13.933	146	483379	46.163	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	96152	42.260	ug/l		87
93) 1,2,4-Trichlorobenzene	15.198	180	224118	44.926	ug/l		99
94) Hexachlorobutadiene	15.304	225	98817	45.071	ug/l		97
95) Naphthalene	15.439	128	943498	44.089	ug/l		98
96) 1,2,3-Trichlorobenzene	15.633	180	228718	44.398	ug/l		98

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

