

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074455.D
 Acq On : 15 Sep 2022 11:24
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 15 19:07:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:05:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/16/2022
 Supervised By : Mahesh Dadoda 09/16/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	403368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	793917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	708402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	299074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	137506	24.320	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	48.640%#		
35) Dibromofluoromethane	7.951	113	105406	21.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	42.580%#		
50) Toluene-d8	10.380	98	405888	22.055	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	44.100%#		
62) 4-Bromofluorobenzene	12.669	95	139474	21.039	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	42.080%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	89189	23.518	ug/l	99
3) Chloromethane	2.263	50	148150	31.039	ug/l	98
4) Vinyl Chloride	2.405	62	159271	39.943	ug/l	99
5) Bromomethane	2.781	94	84408	46.142	ug/l	89
6) Chloroethane	2.946	64	107151	41.719	ug/l #	88
7) Trichlorofluoromethane	3.304	101	174709	29.049	ug/l	97
8) Diethyl Ether	3.757	74	88349	28.931	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.140	101	110133	27.365	ug/l	91
10) Methyl Iodide	4.346	142	131764	27.717	ug/l	94
11) Tert butyl alcohol	5.287	59	223066	148.751	ug/l #	87
12) 1,1-Dichloroethene	4.110	96	105778	26.415	ug/l	98
13) Acrolein	3.981	56	80226	133.800	ug/l	95
14) Allyl chloride	4.751	41	251206	28.647	ug/l	94
15) Acrylonitrile	5.463	53	513032	148.178	ug/l	100
16) Acetone	4.216	43	423161	134.716	ug/l	98
17) Carbon Disulfide	4.451	76	283069	27.235	ug/l	98
18) Methyl Acetate	4.769	43	283987	32.704	ug/l	90
19) Methyl tert-butyl Ether	5.534	73	461090	30.007	ug/l	97
20) Methylene Chloride	5.004	84	140021	26.485	ug/l	87
21) trans-1,2-Dichloroethene	5.516	96	116808	26.564	ug/l	97
22) Diisopropyl ether	6.404	45	514997	30.986	ug/l	94
23) Vinyl Acetate	6.345	43	2318933	151.867	ug/l #	92
24) 1,1-Dichloroethane	6.304	63	256070	29.820	ug/l	98
25) 2-Butanone	7.257	43	746193	147.187	ug/l	91
26) 2,2-Dichloropropane	7.245	77	221132	28.861	ug/l	98
27) cis-1,2-Dichloroethene	7.251	96	139528	26.355	ug/l	82
28) Bromochloromethane	7.581	49	78877	23.781	ug/l #	69
29) Tetrahydrofuran	7.604	42	496810	147.831	ug/l	89
30) Chloroform	7.745	83	242899	28.307	ug/l	94
31) Cyclohexane	8.022	56	241918	29.880	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	208123	27.898	ug/l	96
36) 1,1-Dichloropropene	8.145	75	177252	25.615	ug/l	96
37) Ethyl Acetate	7.334	43	282657	25.366	ug/l	98
38) Carbon Tetrachloride	8.134	117	172850	24.231	ug/l	94
39) Methylcyclohexane	9.392	83	219865	26.204	ug/l #	88
40) Benzene	8.386	78	567644	26.019	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	155352	29.477	ug/l #	82
42) 1,2-Dichloroethane	8.457	62	195510	25.427	ug/l	98
43) Isopropyl Acetate	8.492	43	456089	28.411	ug/l #	92
44) Trichloroethene	9.151	130	118107	22.158	ug/l	83
45) 1,2-Dichloropropane	9.428	63	157141	27.817	ug/l	99
46) Dibromomethane	9.510	93	96599	25.769	ug/l #	84
47) Bromodichloromethane	9.698	83	192170	25.794	ug/l	93
48) Methyl methacrylate	9.498	41	205837	28.337	ug/l	88
49) 1,4-Dioxane	9.504	88	78484	492.620	ug/l #	95
51) 4-Methyl-2-Pentanone	10.269	43	1491642	141.327	ug/l	91
52) Toluene	10.445	92	348079	26.097	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	225603	27.775	ug/l	95
54) cis-1,3-Dichloropropene	10.128	75	238784	26.958	ug/l #	89
55) 1,1,2-Trichloroethane	10.839	97	139904	24.081	ug/l	90
56) Ethyl methacrylate	10.704	69	259399	27.439	ug/l #	85
57) 1,3-Dichloropropane	10.986	76	250890	25.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	548966	131.703	ug/l	90
59) 2-Hexanone	11.028	43	1137883	139.734	ug/l	91
60) Dibromochloromethane	11.180	129	137904	25.355	ug/l	99
61) 1,2-Dibromoethane	11.286	107	135682	23.795	ug/l	98
64) Tetrachloroethene	10.916	164	91487	21.169	ug/l	92
65) Chlorobenzene	11.710	112	348529	24.540	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.780	131	125963	23.497	ug/l	95
67) Ethyl Benzene	11.786	91	659429	26.096	ug/l	99
68) m/p-Xylenes	11.892	106	496265	50.305	ug/l	96
69) o-Xylene	12.222	106	251520	25.447	ug/l	98
70) Styrene	12.233	104	410333	25.769	ug/l	97
71) Bromoform	12.398	173	95324	23.716	ug/l #	98
73) Isopropylbenzene	12.522	105	629230	26.354	ug/l	99
74) N-amyl acetate	12.327	43	382999	30.041	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.769	83	243126	27.880	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	184553m	24.589	ug/l	
77) Bromobenzene	12.804	156	129784	23.291	ug/l	71
78) n-propylbenzene	12.863	91	740628	27.762	ug/l	96
79) 2-Chlorotoluene	12.945	91	440625	25.880	ug/l	97
80) 1,3,5-Trimethylbenzene	13.004	105	522664	26.683	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.569	75	88911	30.678	ug/l	95
82) 4-Chlorotoluene	13.045	91	414440	25.754	ug/l	98
83) tert-Butylbenzene	13.263	119	457268	25.607	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	515165	26.375	ug/l	98
85) sec-Butylbenzene	13.445	105	632932	26.257	ug/l	97
86) p-Isopropyltoluene	13.557	119	492265	25.405	ug/l	96
87) 1,3-Dichlorobenzene	13.557	146	237778	23.576	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	234599	23.125	ug/l	97
89) n-Butylbenzene	13.886	91	443762	27.514	ug/l	96
90) Hexachloroethane	14.151	117	103054	27.670	ug/l	78
91) 1,2-Dichlorobenzene	13.927	146	250504	23.960	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	51697	22.548	ug/l	82
93) 1,2,4-Trichlorobenzene	15.198	180	115452	20.435	ug/l	95
94) Hexachlorobutadiene	15.304	225	48777	19.931	ug/l	98
95) Naphthalene	15.439	128	481343	20.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	117757	19.451	ug/l	99

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

