

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073427.D
 Acq On : 12 Jul 2022 09:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 13 06:16:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	222571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	372723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	346416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	169570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	160452	49.937	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.880%		
35) Dibromofluoromethane	7.945	113	128068	51.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.280%		
50) Toluene-d8	10.375	98	437541	49.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.360%		
62) 4-Bromofluorobenzene	12.668	95	180783	53.413	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	157282	48.335	ug/l	98
3) Chloromethane	2.269	50	150731	47.712	ug/l	99
4) Vinyl Chloride	2.410	62	127267	47.413	ug/l	100
5) Bromomethane	2.793	94	61447	48.467	ug/l	96
6) Chloroethane	2.957	64	77651	49.177	ug/l	99
7) Trichlorofluoromethane	3.316	101	233292	50.272	ug/l	100
8) Diethyl Ether	3.763	74	94488	50.018	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.140	101	137296	50.071	ug/l	97
10) Methyl Iodide	4.345	142	141655	43.378	ug/l	95
11) Tert butyl alcohol	5.275	59	178971	229.937	ug/l	99
12) 1,1-Dichloroethene	4.116	96	124273	47.431	ug/l	94
13) Acrolein	3.981	56	91416	185.817	ug/l	93
14) Allyl chloride	4.763	41	282500	51.181	ug/l #	91
15) Acrylonitrile	5.469	53	546291	272.645	ug/l	99
16) Acetone	4.216	43	505934	280.522	ug/l	94
17) Carbon Disulfide	4.457	76	294322	43.321	ug/l	100
18) Methyl Acetate	4.775	43	283019	55.997	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	503453	52.721	ug/l	97
20) Methylene Chloride	5.016	84	153641	48.474	ug/l	93
21) trans-1,2-Dichloroethene	5.510	96	131791	48.139	ug/l	98
22) Diisopropyl ether	6.404	45	568294	55.176	ug/l #	93
23) Vinyl Acetate	6.345	43	2430520	263.569	ug/l #	92
24) 1,1-Dichloroethane	6.298	63	286031	53.664	ug/l	99
25) 2-Butanone	7.251	43	784091	273.066	ug/l	90
26) 2,2-Dichloropropane	7.245	77	232604	47.186	ug/l	97
27) cis-1,2-Dichloroethene	7.245	96	164111	49.500	ug/l	93
28) Bromochloromethane	7.581	49	131133	58.745	ug/l #	80
29) Tetrahydrofuran	7.604	42	526937	268.007	ug/l #	85
30) Chloroform	7.739	83	283563	52.821	ug/l	99
31) Cyclohexane	8.022	56	241264	45.849	ug/l	89
32) 1,1,1-Trichloroethane	7.939	97	242592	50.708	ug/l	99
36) 1,1-Dichloropropene	8.145	75	200545	52.559	ug/l	97
37) Ethyl Acetate	7.334	43	310425	53.843	ug/l #	94
38) Carbon Tetrachloride	8.133	117	195252	49.483	ug/l	97
39) Methylcyclohexane	9.392	83	242626	51.075	ug/l	92
40) Benzene	8.386	78	613381	52.089	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	156604	56.008	ug/l #	83
42) 1,2-Dichloroethane	8.457	62	231687	54.277	ug/l	97
43) Isopropyl Acetate	8.492	43	452289	54.586	ug/l #	93
44) Trichloroethene	9.151	130	146028	48.730	ug/l	96
45) 1,2-Dichloropropane	9.422	63	163497	54.474	ug/l	99
46) Dibromomethane	9.510	93	108566	53.273	ug/l	91
47) Bromodichloromethane	9.698	83	219495	55.610	ug/l	99
48) Methyl methacrylate	9.492	41	200586	52.285	ug/l	90
49) 1,4-Dioxane	9.504	88	75516	1036.883	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	1516694	288.648	ug/l	90
52) Toluene	10.439	92	383047	52.635	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	232714	53.558	ug/l	96
54) cis-1,3-Dichloropropene	10.127	75	256247	54.625	ug/l #	88
55) 1,1,2-Trichloroethane	10.833	97	159079	53.098	ug/l	96
56) Ethyl methacrylate	10.698	69	257156	53.105	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	273709	53.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	608989	281.987	ug/l	93
59) 2-Hexanone	11.022	43	1151100	287.392	ug/l	88
60) Dibromochloromethane	11.174	129	160278	56.111	ug/l	99
61) 1,2-Dibromoethane	11.280	107	160231	53.545	ug/l	100
64) Tetrachloroethene	10.910	164	135316	47.836	ug/l	96
65) Chlorobenzene	11.710	112	396874	50.656	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.780	131	146452	50.821	ug/l	98
67) Ethyl Benzene	11.780	91	734218	51.620	ug/l	99
68) m/p-Xylenes	11.892	106	553396	103.092	ug/l	94
69) o-Xylene	12.216	106	276182	50.399	ug/l	95
70) Styrene	12.233	104	461380	54.533	ug/l	98
71) Bromoform	12.398	173	117905	55.915	ug/l #	99
73) Isopropylbenzene	12.516	105	735650	50.239	ug/l	98
74) N-amyl acetate	12.327	43	351224	47.902	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.768	83	243959	50.206	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	239977m	54.123	ug/l	
77) Bromobenzene	12.798	156	166709	48.967	ug/l	86
78) n-propylbenzene	12.857	91	864147	53.122	ug/l	97
79) 2-Chlorotoluene	12.945	91	514164	49.940	ug/l	95
80) 1,3,5-Trimethylbenzene	12.998	105	606514	50.817	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	79561	49.210	ug/l	94
82) 4-Chlorotoluene	13.039	91	505603	50.725	ug/l	97
83) tert-Butylbenzene	13.257	119	537221	50.207	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	610153	51.204	ug/l	97
85) sec-Butylbenzene	13.439	105	761877	53.025	ug/l	98
86) p-Isopropyltoluene	13.557	119	622624	53.643	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	304133	49.795	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	301748	49.309	ug/l	97
89) n-Butylbenzene	13.880	91	532094	55.015	ug/l	98
90) Hexachloroethane	14.145	117	108838	50.317	ug/l	85
91) 1,2-Dichlorobenzene	13.921	146	311070	49.997	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	57492	48.679	ug/l	85
93) 1,2,4-Trichlorobenzene	15.192	180	165813	51.184	ug/l	98
94) Hexachlorobutadiene	15.298	225	72938	50.647	ug/l	98
95) Naphthalene	15.433	128	607630	46.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	168165	50.322	ug/l	99

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

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