

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074372.D
 Acq On : 09 Sep 2022 12:00
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2022
 Supervised By : Mahesh Dadoda 09/12/2022

Quant Time: Sep 10 05:41:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 05:38:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	326686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	602491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	544427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	258344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	116027	20.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	41.060%#		
35) Dibromofluoromethane	7.951	113	81989	20.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.320%#		
50) Toluene-d8	10.380	98	314507	19.845	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.680%#		
62) 4-Bromofluorobenzene	12.674	95	112194	19.498	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	80826	19.091	ug/l	100
3) Chloromethane	2.263	50	108208	18.111	ug/l	92
4) Vinyl Chloride	2.404	62	141848	20.055	ug/l	99
5) Bromomethane	2.781	94	100086	20.276	ug/l	95
6) Chloroethane	2.946	64	108355	20.693	ug/l	94
7) Trichlorofluoromethane	3.304	101	141160	20.212	ug/l	91
8) Diethyl Ether	3.763	74	57955	19.667	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.128	101	80831	19.314	ug/l	98
10) Methyl Iodide	4.346	142	98210	20.300	ug/l	98
11) Tert butyl alcohol	5.287	59	146432	99.048	ug/l	100
12) 1,1-Dichloroethene	4.110	96	80463	19.758	ug/l	93
13) Acrolein	3.981	56	97873	99.663	ug/l	99
14) Allyl chloride	4.751	41	173170	19.386	ug/l	96
15) Acrylonitrile	5.469	53	337942	99.914	ug/l	100
16) Acetone	4.216	43	290678	95.259	ug/l	99
17) Carbon Disulfide	4.457	76	218685	19.758	ug/l	100
18) Methyl Acetate	4.769	43	178275	19.819	ug/l	98
19) Methyl tert-butyl Ether	5.534	73	319867	19.515	ug/l	98
20) Methylene Chloride	5.004	84	96337	18.285	ug/l #	92
21) trans-1,2-Dichloroethene	5.504	96	85577	18.793	ug/l	92
22) Diisopropyl ether	6.410	45	349004	19.404	ug/l	94
23) Vinyl Acetate	6.345	43	1594335	100.557	ug/l	99
24) 1,1-Dichloroethane	6.298	63	180377	19.518	ug/l #	93
25) 2-Butanone	7.257	43	505330	98.654	ug/l	94
26) 2,2-Dichloropropane	7.239	77	159501	19.078	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	106355	18.917	ug/l	98
28) Bromochloromethane	7.581	49	55744	16.956	ug/l	99
29) Tetrahydrofuran	7.604	42	342625	101.188	ug/l	97
30) Chloroform	7.739	83	178025	19.298	ug/l	87
31) Cyclohexane	8.016	56	178892	19.901	ug/l	97
32) 1,1,1-Trichloroethane	7.934	97	161074	19.464	ug/l	98
36) 1,1-Dichloropropene	8.151	75	129679	19.353	ug/l	97
37) Ethyl Acetate	7.334	43	193689	19.908	ug/l	100
38) Carbon Tetrachloride	8.139	117	138081	19.960	ug/l	94
39) Methylcyclohexane	9.392	83	162349	19.116	ug/l	98
40) Benzene	8.392	78	396875	19.344	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	91646	19.001	ug/l #	87
42) 1,2-Dichloroethane	8.463	62	152855	19.489	ug/l	100
43) Isopropyl Acetate	8.492	43	315890	19.872	ug/l	99
44) Trichloroethene	9.151	130	91051	19.796	ug/l	97
45) 1,2-Dichloropropane	9.428	63	105836	19.433	ug/l	93
46) Dibromomethane	9.516	93	73829	19.799	ug/l	97
47) Bromodichloromethane	9.698	83	145943	19.635	ug/l	98
48) Methyl methacrylate	9.498	41	130452	18.621	ug/l	99
49) 1,4-Dioxane	9.510	88	55643	376.894	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1043798	100.406	ug/l	98
52) Toluene	10.445	92	252392	19.892	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	160801	19.611	ug/l	98
54) cis-1,3-Dichloropropene	10.128	75	168118	19.232	ug/l	95
55) 1,1,2-Trichloroethane	10.839	97	104072	19.899	ug/l	95
56) Ethyl methacrylate	10.704	69	176034	19.809	ug/l	96
57) 1,3-Dichloropropane	10.986	76	178711	19.549	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.980	63	401283	97.074	ug/l	99
59) 2-Hexanone	11.027	43	812641	101.296	ug/l	98
60) Dibromochloromethane	11.175	129	107593	20.319	ug/l	98
61) 1,2-Dibromoethane	11.286	107	102052	18.967	ug/l	98
64) Tetrachloroethene	10.916	164	70060	18.983	ug/l	92
65) Chlorobenzene	11.710	112	259316	19.753	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.786	131	98545	19.217	ug/l	99
67) Ethyl Benzene	11.786	91	489458	19.740	ug/l	100
68) m/p-Xylenes	11.898	106	370991	39.800	ug/l	100
69) o-Xylene	12.221	106	187110	19.970	ug/l	100
70) Styrene	12.233	104	299575	20.111	ug/l	98
71) Bromoform	12.398	173	75737	19.718	ug/l #	98
73) Isopropylbenzene	12.521	105	488204	19.669	ug/l	99
74) N-amyl acetate	12.333	43	273650	18.936	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.774	83	175673	18.833	ug/l	98
76) 1,2,3-Trichloropropane	12.821	75	140969m	16.082	ug/l	
77) Bromobenzene	12.804	156	104287	19.572	ug/l	99
78) n-propylbenzene	12.863	91	565787	19.898	ug/l	96
79) 2-Chlorotoluene	12.951	91	338521	19.527	ug/l	100
80) 1,3,5-Trimethylbenzene	13.004	105	401733	19.509	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	60581	19.994	ug/l	95
82) 4-Chlorotoluene	13.045	91	325839	19.480	ug/l	97
83) tert-Butylbenzene	13.268	119	358564	19.341	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	407698	19.975	ug/l	99
85) sec-Butylbenzene	13.445	105	494752	19.610	ug/l	99
86) p-Isopropyltoluene	13.557	119	400587	19.837	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	192568	19.547	ug/l	99
88) 1,4-Dichlorobenzene	13.639	146	196552	19.750	ug/l	98
89) n-Butylbenzene	13.886	91	340630	19.822	ug/l	100
90) Hexachloroethane	14.157	117	80783	18.936	ug/l	97
91) 1,2-Dichlorobenzene	13.927	146	196891	19.004	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	44506	17.528	ug/l	99
93) 1,2,4-Trichlorobenzene	15.198	180	96425	18.677	ug/l	98
94) Hexachlorobutadiene	15.304	225	43458	18.572	ug/l	99
95) Naphthalene	15.439	128	392483	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	98965	18.524	ug/l	98

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

