

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073888.D
 Acq On : 15 Aug 2022 10:50
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

Quant Time: Aug 15 13:07:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 13:00:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	596453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	883682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	770425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	369604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	52710	7.252	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	14.500%#		
35) Dibromofluoromethane	7.957	113	46572	8.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	16.780%#		
50) Toluene-d8	10.380	98	179565	8.223	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	16.440%#		
62) 4-Bromofluorobenzene	12.668	95	56459	8.362	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	16.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	47907	8.281	ug/l	97
3) Chloromethane	2.269	50	52401	6.285	ug/l	99
4) Vinyl Chloride	2.404	62	67973	6.718	ug/l	100
5) Bromomethane	2.816	94	44516	7.586	ug/l	98
6) Chloroethane	2.975	64	45793	6.489	ug/l	96
7) Trichlorofluoromethane	3.322	101	85255	8.176	ug/l	99
8) Diethyl Ether	3.763	74	31350	8.007	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.151	101	48556	8.416	ug/l	93
10) Methyl Iodide	4.351	142	58655	10.001	ug/l	99
11) Tert butyl alcohol	5.287	59	66103	42.168	ug/l	99
12) 1,1-Dichloroethene	4.116	96	46028	8.134	ug/l	82
13) Acrolein	3.987	56	44689	28.755	ug/l	100
14) Allyl chloride	4.757	41	67666	7.479	ug/l	97
15) Acrylonitrile	5.475	53	155613	35.886	ug/l	99
16) Acetone	4.222	43	136549	34.976	ug/l	98
17) Carbon Disulfide	4.457	76	107753	7.181	ug/l	99
18) Methyl Acetate	4.775	43	81800	8.422	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	164542	8.511	ug/l	97
20) Methylene Chloride	5.016	84	54810	6.653	ug/l	95
21) trans-1,2-Dichloroethene	5.516	96	50489	8.242	ug/l	92
22) Diisopropyl ether	6.416	45	143496	7.351	ug/l	99
23) Vinyl Acetate	6.351	43	619369	37.847	ug/l	99
24) 1,1-Dichloroethane	6.310	63	89060	7.416	ug/l	95
25) 2-Butanone	7.257	43	214532	35.384	ug/l	98
26) 2,2-Dichloropropane	7.245	77	81850	8.859	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	61956	8.209	ug/l	93
28) Bromochloromethane	7.586	49	30427	6.035	ug/l	86
29) Tetrahydrofuran	7.610	42	137858	35.963	ug/l	95
30) Chloroform	7.745	83	100908	8.065	ug/l	100
31) Cyclohexane	8.022	56	83890	7.752	ug/l #	80
32) 1,1,1-Trichloroethane	7.939	97	89103	8.577	ug/l	97
36) 1,1-Dichloropropene	8.151	75	68521	8.664	ug/l	98
37) Ethyl Acetate	7.339	43	83943	8.060	ug/l	99
38) Carbon Tetrachloride	8.133	117	78503	9.773	ug/l	95
39) Methylcyclohexane	9.398	83	82603	8.740	ug/l	94
40) Benzene	8.392	78	218955	8.526	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	39430	8.366	ug/l #	93
42) 1,2-Dichloroethane	8.463	62	75187	8.687	ug/l	98
43) Isopropyl Acetate	8.492	43	119446	8.491	ug/l	97
44) Trichloroethene	9.151	130	63235	9.710	ug/l	92
45) 1,2-Dichloropropane	9.427	63	52450	8.171	ug/l	98
46) Dibromomethane	9.516	93	39662	8.902	ug/l	91
47) Bromodichloromethane	9.698	83	74358	8.696	ug/l	96
48) Methyl methacrylate	9.498	41	50293	8.167	ug/l	86
49) 1,4-Dioxane	9.504	88	32155	185.242	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	412777	40.909	ug/l	100
52) Toluene	10.445	92	145315	9.264	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	77482	9.172	ug/l	93
54) cis-1,3-Dichloropropene	10.127	75	85758	9.009	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	59211	9.052	ug/l	97
56) Ethyl methacrylate	10.704	69	83732	9.287	ug/l	97
57) 1,3-Dichloropropane	10.986	76	94700	8.533	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.980	63	186186	45.918	ug/l	94
59) 2-Hexanone	11.027	43	319780	41.831	ug/l	99
60) Dibromochloromethane	11.180	129	64821	9.961	ug/l	97
61) 1,2-Dibromoethane	11.286	107	61396	9.113	ug/l	99
64) Tetrachloroethene	10.916	164	55591	9.079	ug/l	97
65) Chlorobenzene	11.710	112	156709	9.576	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.780	131	60852	10.367	ug/l	98
67) Ethyl Benzene	11.786	91	260527	9.437	ug/l	99
68) m/p-Xylenes	11.892	106	205926	19.557	ug/l	98
69) o-Xylene	12.221	106	102664	10.001	ug/l	98
70) Styrene	12.233	104	161425	9.823	ug/l	98
71) Bromoform	12.398	173	52651	10.868	ug/l #	100
73) Isopropylbenzene	12.521	105	260537	9.630	ug/l	99
74) N-amyl acetate	12.327	43	97055	9.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	89282	8.551	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	76657m	9.135	ug/l	
77) Bromobenzene	12.798	156	70902	10.063	ug/l	89
78) n-propylbenzene	12.863	91	273209	8.974	ug/l	98
79) 2-Chlorotoluene	12.945	91	176456	9.287	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	214811	9.648	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.568	75	25453	8.925	ug/l	96
82) 4-Chlorotoluene	13.045	91	162938	9.048	ug/l	93
83) tert-Butylbenzene	13.262	119	196882	9.983	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	211110	9.643	ug/l	98
85) sec-Butylbenzene	13.439	105	253964	9.317	ug/l	97
86) p-Isopropyltoluene	13.557	119	214255	9.971	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	122545	9.528	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	120498	9.364	ug/l	96
89) n-Butylbenzene	13.880	91	158932	9.090	ug/l	98
90) Hexachloroethane	14.151	117	38525	9.036	ug/l	85
91) 1,2-Dichlorobenzene	13.927	146	125978	9.666	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	21428	10.215	ug/l	88
93) 1,2,4-Trichlorobenzene	15.198	180	74983	11.586	ug/l	99
94) Hexachlorobutadiene	15.298	225	40269	11.445	ug/l	98
95) Naphthalene	15.433	128	252968	12.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	79780	11.713	ug/l	97

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

