

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072881.D
 Acq On : 16 Jun 2022 11:28
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 17 05:34:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 05:32:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	283785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	457236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	443110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	209302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	45446	8.668	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	17.340%#		
35) Dibromofluoromethane	7.945	113	35536	8.556	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	17.120%#		
50) Toluene-d8	10.375	98	139501	8.581	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	17.160%#		
62) 4-Bromofluorobenzene	12.663	95	45205	8.016	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	16.040%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	39944	10.099	ug/l	98
3) Chloromethane	2.275	50	42238	9.311	ug/l	100
4) Vinyl Chloride	2.410	62	33988	9.765	ug/l	98
5) Bromomethane	2.816	94	14811	10.890	ug/l	97
6) Chloroethane	2.975	64	19863	9.707	ug/l #	87
7) Trichlorofluoromethane	3.322	101	64175	9.715	ug/l	99
8) Diethyl Ether	3.769	74	27201	9.774	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.140	101	34169	9.145	ug/l	92
10) Methyl Iodide	4.357	142	41396	8.765	ug/l	97
11) Tert butyl alcohol	5.293	59	64578	47.306	ug/l	99
12) 1,1-Dichloroethene	4.116	96	37775	9.545	ug/l	98
13) Acrolein	3.987	56	18820	43.697	ug/l	98
14) Allyl chloride	4.763	41	74955	9.344	ug/l	94
15) Acrylonitrile	5.475	53	138303	46.686	ug/l	99
16) Acetone	4.234	43	123158	46.538	ug/l	91
17) Carbon Disulfide	4.457	76	99446	9.285	ug/l	99
18) Methyl Acetate	4.781	43	69159	9.167	ug/l	91
19) Methyl tert-butyl Ether	5.540	73	138070	9.536	ug/l	99
20) Methylene Chloride	5.010	84	45023	9.512	ug/l	97
21) trans-1,2-Dichloroethene	5.522	96	39079	9.333	ug/l	96
22) Diisopropyl ether	6.416	45	139458	9.403	ug/l	96
23) Vinyl Acetate	6.351	43	642745	47.683	ug/l	97
24) 1,1-Dichloroethane	6.304	63	73982	9.528	ug/l	97
25) 2-Butanone	7.263	43	201513	47.810	ug/l	93
26) 2,2-Dichloropropane	7.251	77	67159	9.575	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	48381	9.532	ug/l	99
28) Bromochloromethane	7.587	49	35859	10.778	ug/l	94
29) Tetrahydrofuran	7.616	42	131218	46.959	ug/l	92
30) Chloroform	7.745	83	77847	9.716	ug/l	99
31) Cyclohexane	8.022	56	68671	9.769	ug/l #	92
32) 1,1,1-Trichloroethane	7.939	97	67824	9.559	ug/l	98
36) 1,1-Dichloropropene	8.151	75	55672	9.815	ug/l	98
37) Ethyl Acetate	7.340	43	79412	9.674	ug/l	97
38) Carbon Tetrachloride	8.134	117	58235	9.536	ug/l	99
39) Methylcyclohexane	9.386	83	67697	9.616	ug/l	97
40) Benzene	8.386	78	175832	9.729	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	37596	8.797	ug/l	92
42) 1,2-Dichloroethane	8.457	62	60567	9.294	ug/l	98
43) Isopropyl Acetate	8.492	43	120041	9.395	ug/l	98
44) Trichloroethene	9.145	130	44445	9.198	ug/l	99
45) 1,2-Dichloropropane	9.422	63	44490	9.756	ug/l	99
46) Dibromomethane	9.510	93	30484	9.633	ug/l	99
47) Bromodichloromethane	9.698	83	61563	9.604	ug/l	97
48) Methyl methacrylate	9.492	41	54379	9.318	ug/l	96
49) 1,4-Dioxane	9.504	88	24166	195.492	ug/l	95
51) 4-Methyl-2-Pentanone	10.269	43	391820	47.407	ug/l	93
52) Toluene	10.439	92	110537	9.451	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	66244	9.070	ug/l	99
54) cis-1,3-Dichloropropene	10.122	75	71444	9.422	ug/l #	87
55) 1,1,2-Trichloroethane	10.833	97	45283	9.590	ug/l	98
56) Ethyl methacrylate	10.698	69	75761	9.448	ug/l	90
57) 1,3-Dichloropropane	10.980	76	77917	9.670	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.975	63	130821	46.154	ug/l	99
59) 2-Hexanone	11.022	43	277257	45.176	ug/l	93
60) Dibromochloromethane	11.175	129	46750	9.228	ug/l	98
61) 1,2-Dibromoethane	11.280	107	48073	9.355	ug/l	99
64) Tetrachloroethene	10.910	164	44042	10.352	ug/l	92
65) Chlorobenzene	11.704	112	114216	9.783	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.775	131	44439	9.845	ug/l	99
67) Ethyl Benzene	11.780	91	204274	9.905	ug/l	96
68) m/p-Xylenes	11.886	106	152365	19.231	ug/l	96
69) o-Xylene	12.216	106	76826	9.451	ug/l	98
70) Styrene	12.227	104	116558	9.264	ug/l	99
71) Bromoform	12.392	173	34225	9.384	ug/l #	98
73) Isopropylbenzene	12.516	105	195613	9.800	ug/l	100
74) N-amyl acetate	12.327	43	78482	9.188	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.763	83	64938	9.950	ug/l	98
76) 1,2,3-Trichloropropane	12.816	75	57953m	9.288	ug/l	
77) Bromobenzene	12.792	156	44597	9.560	ug/l	95
78) n-propylbenzene	12.857	91	199027	9.561	ug/l	99
79) 2-Chlorotoluene	12.939	91	129398	9.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.992	105	152584	9.539	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	20742	9.481	ug/l	98
82) 4-Chlorotoluene	13.039	91	116885	9.347	ug/l	98
83) tert-Butylbenzene	13.257	119	144488	10.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.304	105	147946	9.621	ug/l	97
85) sec-Butylbenzene	13.433	105	178034	9.592	ug/l	99
86) p-Isopropyltoluene	13.551	119	141927	9.474	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	71813	9.451	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	69932	9.140	ug/l	97
89) n-Butylbenzene	13.874	91	106124	9.216	ug/l	99
90) Hexachloroethane	14.145	117	30855	9.526	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	74673	9.717	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	14872	9.389	ug/l	90
93) 1,2,4-Trichlorobenzene	15.192	180	34372	8.950	ug/l	94
94) Hexachlorobutadiene	15.292	225	17443	9.176	ug/l	98
95) Naphthalene	15.427	128	124774	9.409	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	36806	9.651	ug/l	99

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

