

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042622\
 Data File : VN072201.D
 Acq On : 26 Apr 2022 16:01
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 26 16:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 16:51:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/27/2022
 Supervised By : Mahesh Dadoda 04/27/2022

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	294732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	502339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	453275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	168524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	87752	24.671	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	49.340%#		
35) Dibromofluoromethane	8.016	113	62235	20.855	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	41.700%#		
50) Toluene-d8	10.439	98	248979	20.458	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	40.920%#		
62) 4-Bromofluorobenzene	12.727	95	79142	20.014	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	40.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	62887	25.599	ug/l	99
3) Chloromethane	2.299	50	72092	23.358	ug/l	99
4) Vinyl Chloride	2.446	62	58986	18.462	ug/l	95
5) Bromomethane	2.851	94	33285	16.659	ug/l	98
6) Chloroethane	3.016	64	36456	15.904	ug/l	98
7) Trichlorofluoromethane	3.375	101	102852	23.903	ug/l	100
8) Diethyl Ether	3.828	74	39206	21.864	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.216	101	56636	21.867	ug/l	95
10) Methyl Iodide	4.422	142	68101	19.252	ug/l #	88
11) Tert butyl alcohol	5.363	59	66605	116.560	ug/l	100
12) 1,1-Dichloroethene	4.187	96	49988	20.305	ug/l	91
13) Acrolein	4.040	56	68628	103.710	ug/l	98
14) Allyl chloride	4.840	41	105795	25.222	ug/l	93
15) Acrylonitrile	5.551	53	210780	126.178	ug/l	98
16) Acetone	4.281	43	179500	119.110	ug/l	95
17) Carbon Disulfide	4.534	76	120005	20.989	ug/l #	94
18) Methyl Acetate	4.851	43	103102	22.449	ug/l #	89
19) Methyl tert-butyl Ether	5.610	73	207769	22.439	ug/l	98
20) Methylene Chloride	5.093	84	67360	21.837	ug/l	87
21) trans-1,2-Dichloroethene	5.598	96	55980	20.731	ug/l	92
22) Diisopropyl ether	6.492	45	229814	25.565	ug/l	96
23) Vinyl Acetate	6.428	43	978064	135.778	ug/l	94
24) 1,1-Dichloroethane	6.387	63	123762	23.715	ug/l	99
25) 2-Butanone	7.328	43	286994	130.097	ug/l	92
26) 2,2-Dichloropropane	7.322	77	97977	22.223	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	69954	21.219	ug/l	91
28) Bromochloromethane	7.657	49	56136	25.333	ug/l #	79
29) Tetrahydrofuran	7.681	42	195535	136.765	ug/l	88
30) Chloroform	7.816	83	125037	23.016	ug/l	96
31) Cyclohexane	8.092	56	108797	22.858	ug/l	86
32) 1,1,1-Trichloroethane	8.016	97	106670	22.809	ug/l	98
36) 1,1-Dichloropropene	8.222	75	88012	21.081	ug/l	94
37) Ethyl Acetate	7.410	43	124747	26.598	ug/l	95
38) Carbon Tetrachloride	8.204	117	89015	21.647	ug/l	92
39) Methylcyclohexane	9.457	83	97035	19.762	ug/l	90
40) Benzene	8.457	78	270001	20.573	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	51946	22.103	ug/l	94
42) 1,2-Dichloroethane	8.528	62	101230	21.898	ug/l	97
43) Isopropyl Acetate	8.557	43	177573	22.775	ug/l	94
44) Trichloroethene	9.216	130	60464	18.311	ug/l	94
45) 1,2-Dichloropropane	9.486	63	71440	21.507	ug/l	99
46) Dibromomethane	9.575	93	46377	20.841	ug/l	91
47) Bromodichloromethane	9.757	83	97935	22.151	ug/l	98
48) Methyl methacrylate	9.557	41	76253	23.223	ug/l	94
49) 1,4-Dioxane	9.563	88	28160	352.210	ug/l	93
51) 4-Methyl-2-Pentanone	10.327	43	573643	126.650	ug/l	94
52) Toluene	10.498	92	167555	20.288	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	96698	20.940	ug/l	94
54) cis-1,3-Dichloropropene	10.186	75	108279	21.301	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	67904	20.011	ug/l	95
56) Ethyl methacrylate	10.757	69	106214	21.619	ug/l	91
57) 1,3-Dichloropropane	11.039	76	121111	21.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	128135	112.688	ug/l	92
59) 2-Hexanone	11.080	43	403761	126.476	ug/l	92
60) Dibromochloromethane	11.233	129	70412	21.205	ug/l	98
61) 1,2-Dibromoethane	11.339	107	67767	20.324	ug/l	99
64) Tetrachloroethene	10.974	164	49712	16.996	ug/l	91
65) Chlorobenzene	11.769	112	170494	18.972	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	64721	19.793	ug/l	98
67) Ethyl Benzene	11.839	91	306514	19.965	ug/l	100
68) m/p-Xylenes	11.951	106	229426	39.197	ug/l	92
69) o-Xylene	12.280	106	111309	19.153	ug/l	91
70) Styrene	12.292	104	179156	20.351	ug/l	97
71) Bromoform	12.457	173	49298	20.081	ug/l #	100
73) Isopropylbenzene	12.574	105	290265	20.370	ug/l	99
74) N-amyl acetate	12.386	43	104526	24.638	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.821	83	106002	22.105	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	82137m	20.444	ug/l	
77) Bromobenzene	12.857	156	63323	18.037	ug/l	83
78) n-propylbenzene	12.916	91	317010	21.042	ug/l	97
79) 2-Chlorotoluene	13.004	91	207042	21.361	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	250705	22.046	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.621	75	27126	21.210	ug/l	91
82) 4-Chlorotoluene	13.098	91	193320	21.511	ug/l	93
83) tert-Butylbenzene	13.321	119	207940	20.179	ug/l	93
84) 1,2,4-Trimethylbenzene	13.363	105	242139	21.787	ug/l	96
85) sec-Butylbenzene	13.498	105	284136	21.239	ug/l	96
86) p-Isopropyltoluene	13.610	119	224405	21.079	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	107622	19.168	ug/l	97
88) 1,4-Dichlorobenzene	13.686	146	105214	19.210	ug/l	96
89) n-Butylbenzene	13.939	91	160740	20.194	ug/l	98
90) Hexachloroethane	14.204	117	44315	22.569	ug/l	87
91) 1,2-Dichlorobenzene	13.986	146	107419	19.444	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	19358	25.277	ug/l	77
93) 1,2,4-Trichlorobenzene	15.257	180	44276	20.636	ug/l	97
94) Hexachlorobutadiene	15.362	225	27657	17.301	ug/l	96
95) Naphthalene	15.504	128	120570	22.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	43817	21.930	ug/l	98

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

