

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081122\
 Data File : VN073831.D
 Acq On : 11 Aug 2022 17:42
 Operator : JC\MD
 Sample : N4169-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE133D1-20220809MSD

Quant Time: Aug 12 06:05:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/12/2022
 Supervised By : Mahesh Dadoda 08/12/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	363858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	580149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	538054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	272732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	222075	50.082	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.160%			
35) Dibromofluoromethane	7.951	113	196372	53.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.800%			
50) Toluene-d8	10.381	98	720684	50.273	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.675	95	250232	49.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	198474	56.238	ug/l	98
3) Chloromethane	2.263	50	244965	58.161	ug/l	99
4) Vinyl Chloride	2.405	62	295121	47.814	ug/l	100
5) Bromomethane	2.775	94	178381	49.831	ug/l	96
6) Chloroethane	2.940	64	199945	55.786	ug/l	100
7) Trichlorofluoromethane	3.299	101	406195	63.855	ug/l	95
8) Diethyl Ether	3.763	74	127967	53.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.128	101	183873	52.245	ug/l	97
10) Methyl Iodide	4.346	142	220540	61.640	ug/l	98
11) Tert butyl alcohol	5.299	59	291058	304.359	ug/l	100
12) 1,1-Dichloroethene	4.104	96	183241	53.080	ug/l	94
13) Acrolein	3.981	56	253008	266.867	ug/l	98
14) Allyl chloride	4.757	41	292789	53.048	ug/l	99
15) Acrylonitrile	5.475	53	738847	279.306	ug/l	98
16) Acetone	4.222	43	634382	266.363	ug/l	99
17) Carbon Disulfide	4.446	76	489117	53.435	ug/l	99
18) Methyl Acetate	4.775	43	313515	52.912	ug/l	100
19) Methyl tert-butyl Ether	5.528	73	661180	56.063	ug/l	97
20) Methylene Chloride	5.004	84	225263	58.857	ug/l	99
21) trans-1,2-Dichloroethene	5.510	96	200927	53.767	ug/l	98
22) Diisopropyl ether	6.410	45	639622	53.716	ug/l	99
23) Vinyl Acetate	6.351	43	2711377	271.589	ug/l	100
24) 1,1-Dichloroethane	6.304	63	381015	52.012	ug/l	99
25) 2-Butanone	7.263	43	1048015	283.351	ug/l	99
26) 2,2-Dichloropropane	7.245	77	252392	44.782	ug/l	97
27) cis-1,2-Dichloroethene	7.245	96	241425	52.435	ug/l	95
28) Bromochloromethane	7.581	49	144760	47.063	ug/l	97
29) Tetrahydrofuran	7.610	42	663492	283.730	ug/l	99
30) Chloroform	7.745	83	398763	52.246	ug/l	99
31) Cyclohexane	8.022	56	320433	48.539	ug/l	99
32) 1,1,1-Trichloroethane	7.940	97	343725	54.238	ug/l	98
36) 1,1-Dichloropropene	8.151	75	278663	53.670	ug/l	100
37) Ethyl Acetate	7.340	43	361131	52.814	ug/l	99
38) Carbon Tetrachloride	8.134	117	295681	56.071	ug/l	97
39) Methylcyclohexane	9.398	83	338459	54.551	ug/l	97
40) Benzene	8.387	78	916274	54.345	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	183048	59.160	ug/l	93
42) 1,2-Dichloroethane	8.463	62	306759	53.985	ug/l	99
43) Isopropyl Acetate	8.498	43	511973	55.434	ug/l	100
44) Trichloroethene	9.151	130	233709	54.661	ug/l	99
45) 1,2-Dichloropropane	9.428	63	224778	53.337	ug/l	97
46) Dibromomethane	9.516	93	162396	55.522	ug/l	99
47) Bromodichloromethane	9.698	83	310519	55.314	ug/l	99
48) Methyl methacrylate	9.498	41	241349	59.700	ug/l	95
49) 1,4-Dioxane	9.504	88	144141	1264.841	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1954577	295.064	ug/l	99
52) Toluene	10.445	92	583504	56.659	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	323798	58.386	ug/l	100
54) cis-1,3-Dichloropropene	10.128	75	346269	55.408	ug/l	100
55) 1,1,2-Trichloroethane	10.839	97	238278	55.484	ug/l	99
56) Ethyl methacrylate	10.704	69	374163	63.215	ug/l	100
57) 1,3-Dichloropropane	10.986	76	403672	55.402	ug/l	100
59) 2-Hexanone	11.028	43	1546678	308.177	ug/l	99
60) Dibromochloromethane	11.181	129	252852	59.183	ug/l	99
61) 1,2-Dibromoethane	11.286	107	253267	57.262	ug/l	99
64) Tetrachloroethene	10.916	164	215272	50.343	ug/l	96
65) Chlorobenzene	11.710	112	626724	54.838	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	236648	57.730	ug/l	99
67) Ethyl Benzene	11.786	91	1105815	57.353	ug/l	99
68) m/p-Xylenes	11.892	106	865715	117.725	ug/l	100
69) o-Xylene	12.222	106	425464	59.345	ug/l	99
70) Styrene	12.233	104	712320	62.068	ug/l	98
71) Bromoform	12.398	173	209925	62.043	ug/l #	100
73) Isopropylbenzene	12.522	105	1104408	55.318	ug/l	99
74) N-amyl acetate	12.328	43	422964	56.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	393515	51.079	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	294861m	59.638	ug/l	
77) Bromobenzene	12.804	156	284451	54.711	ug/l	97
78) n-propylbenzene	12.863	91	1251269	55.701	ug/l	99
79) 2-Chlorotoluene	12.945	91	751110	53.572	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	931138	56.674	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.569	75	115853	55.049	ug/l	98
82) 4-Chlorotoluene	13.045	91	726821	54.697	ug/l	98
83) tert-Butylbenzene	13.263	119	844357	58.021	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	933387	57.776	ug/l	100
85) sec-Butylbenzene	13.439	105	1146503	57.002	ug/l	99
86) p-Isopropyltoluene	13.557	119	955725	60.276	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	502230	52.921	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	492704	51.889	ug/l	98
89) n-Butylbenzene	13.886	91	735245	56.990	ug/l	99
90) Hexachloroethane	14.151	117	174312	55.409	ug/l	95
91) 1,2-Dichlorobenzene	13.927	146	514892	53.542	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	88404	57.112	ug/l	90
93) 1,2,4-Trichlorobenzene	15.198	180	286452	59.982	ug/l	99
94) Hexachlorobutadiene	15.304	225	144757	55.757	ug/l	99
95) Naphthalene	15.433	128	990294	63.902	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	302449	60.174	ug/l	99

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

