

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071612.D
 Acq On : 28 Mar 2022 18:22
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032822

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 29 09:50:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 09:32:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	658386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1028953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	931868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	370246	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	394149	49.929	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.860%
35) Dibromofluoromethane	8.016	113	321438	50.866	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.740%
50) Toluene-d8	10.439	98	1344025	51.562	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.727	95	424185	49.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	280600	43.506	ug/l	98
3) Chloromethane	2.299	50	323141	42.575	ug/l	98
4) Vinyl Chloride	2.446	62	368350	43.686	ug/l	96
5) Bromomethane	2.840	94	255634	51.599	ug/l	99
6) Chloroethane	3.010	64	244111	45.440	ug/l	100
7) Trichlorofluoromethane	3.375	101	444830	44.265	ug/l	98
8) Diethyl Ether	3.822	74	190330	45.518	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.210	101	270493	44.302	ug/l	98
10) Methyl Iodide	4.422	142	398303	44.228	ug/l	100
11) Tert butyl alcohol	5.357	59	325556	233.556	ug/l	99
12) 1,1-Dichloroethene	4.187	96	260774	44.126	ug/l	96
13) Acrolein	4.040	56	288520	248.067	ug/l	99
14) Allyl chloride	4.845	41	430461	45.635	ug/l	99
15) Acrylonitrile	5.545	53	898871	230.890	ug/l	99
16) Acetone	4.281	43	715315	219.808	ug/l	99
17) Carbon Disulfide	4.534	76	618560	42.026	ug/l	100
18) Methyl Acetate	4.851	43	386777	45.805	ug/l	99
19) Methyl tert-butyl Ether	5.610	73	980340	45.426	ug/l	97
20) Methylene Chloride	5.092	84	314997	43.791	ug/l	99
21) trans-1,2-Dichloroethene	5.598	96	284440	45.003	ug/l	99
22) Diisopropyl ether	6.492	45	929953	46.120	ug/l	98
23) Vinyl Acetate	6.428	43	4057364	238.515	ug/l	99
24) 1,1-Dichloroethane	6.381	63	541906	45.129	ug/l	98
25) 2-Butanone	7.328	43	1173023	231.567	ug/l	99
26) 2,2-Dichloropropane	7.322	77	458479	44.424	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	351535	45.257	ug/l	98
28) Bromochloromethane	7.657	49	228318	47.071	ug/l	98
29) Tetrahydrofuran	7.681	42	765298	232.732	ug/l	98
30) Chloroform	7.810	83	558289	45.365	ug/l	99
31) Cyclohexane	8.092	56	466962	42.357	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	492273	46.117	ug/l	99
36) 1,1-Dichloropropene	8.216	75	408630	44.981	ug/l	99
37) Ethyl Acetate	7.404	43	463679	46.678	ug/l	99
38) Carbon Tetrachloride	8.204	117	408723	45.399	ug/l	98
39) Methylcyclohexane	9.457	83	503910	44.848	ug/l	98
40) Benzene	8.457	78	1267679	45.450	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	220879	45.718	ug/l	98
42) 1,2-Dichloroethane	8.528	62	442095	45.858	ug/l	100
43) Isopropyl Acetate	8.551	43	733486	45.195	ug/l	99
44) Trichloroethene	9.216	130	334530	45.631	ug/l	96
45) 1,2-Dichloropropane	9.486	63	319178	46.452	ug/l	100
46) Dibromomethane	9.575	93	216696	46.080	ug/l	98
47) Bromodichloromethane	9.757	83	438844	47.363	ug/l	99
48) Methyl methacrylate	9.557	41	320217	44.759	ug/l	94
49) 1,4-Dioxane	9.563	88	145955	926.592	ug/l	99
51) 4-Methyl-2-Pentanone	10.322	43	2342482	240.504	ug/l	100
52) Toluene	10.504	92	826851	46.097	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	482818	47.933	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	525593	47.961	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	330035	45.691	ug/l	96
56) Ethyl methacrylate	10.757	69	531703	49.261	ug/l	98
57) 1,3-Dichloropropane	11.039	76	557436	46.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	667484	204.727	ug/l	99
59) 2-Hexanone	11.080	43	1687680	242.209	ug/l	100
60) Dibromochloromethane	11.233	129	349050	48.189	ug/l	99
61) 1,2-Dibromoethane	11.339	107	341552	46.707	ug/l	99
64) Tetrachloroethene	10.974	164	287730	44.614	ug/l	99
65) Chlorobenzene	11.763	112	894193	45.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	326534	46.792	ug/l	99
67) Ethyl Benzene	11.839	91	1577950	47.002	ug/l	100
68) m/p-Xylenes	11.951	106	1201071	94.176	ug/l	100
69) o-Xylene	12.274	106	600648	46.874	ug/l	98
70) Styrene	12.292	104	952146	48.670	ug/l	100
71) Bromoform	12.451	173	266964	48.608	ug/l #	100
73) Isopropylbenzene	12.574	105	1532056	47.308	ug/l	100
74) N-amyl acetate	12.380	43	478116	48.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	499368	46.066	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	435575m	48.996	ug/l	
77) Bromobenzene	12.857	156	368285	45.223	ug/l	99
78) n-propylbenzene	12.915	91	1651384	47.295	ug/l	100
79) 2-Chlorotoluene	13.004	91	1019042	46.605	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	1226102	47.958	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	151657	49.240	ug/l	98
82) 4-Chlorotoluene	13.098	91	953570	46.755	ug/l	100
83) tert-Butylbenzene	13.315	119	1127385	48.047	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1202734	48.034	ug/l	100
85) sec-Butylbenzene	13.498	105	1491929	48.128	ug/l	99
86) p-Isopropyltoluene	13.610	119	1218236	49.460	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	605178	46.027	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	578865	44.351	ug/l	98
89) n-Butylbenzene	13.939	91	898847	48.295	ug/l	99
90) Hexachloroethane	14.204	117	228683	49.444	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	587877	45.640	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	86341	46.073	ug/l	97
93) 1,2,4-Trichlorobenzene	15.257	180	287968	50.620	ug/l	99
94) Hexachlorobutadiene	15.362	225	169868	47.385	ug/l	98
95) Naphthalene	15.498	128	819491	45.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	280185	49.187	ug/l	99

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

