

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030822\
 Data File : VN071190.D
 Acq On : 08 Mar 2022 15:17
 Operator : JC\MD
 Sample : VN0308WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0308WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2022
 Supervised By : Mahesh Dadoda 03/09/2022

Quant Time: Mar 09 04:02:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	659575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1063120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	961550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	380048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	424765	46.989	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.980%		
35) Dibromofluoromethane	8.016	113	313447	46.723	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.440%		
50) Toluene-d8	10.439	98	1248440	46.220	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.440%		
62) 4-Bromofluorobenzene	12.727	95	416565	45.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	120729	16.701	ug/l	99
3) Chloromethane	2.299	50	163554	16.830	ug/l	97
4) Vinyl Chloride	2.446	62	150819	17.024	ug/l	98
5) Bromomethane	2.846	94	88002	18.479	ug/l	94
6) Chloroethane	3.010	64	93623	17.451	ug/l	94
7) Trichlorofluoromethane	3.375	101	195128	16.735	ug/l	99
8) Diethyl Ether	3.822	74	88642	17.765	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.216	101	114967	17.032	ug/l	97
10) Methyl Iodide	4.428	142	162795	17.076	ug/l	98
11) Tert butyl alcohol	5.357	59	148794	83.789	ug/l	99
12) 1,1-Dichloroethene	4.181	96	112252	16.976	ug/l	95
13) Acrolein	4.040	56	136256	72.492	ug/l	98
14) Allyl chloride	4.840	41	239930	16.683	ug/l	87
15) Acrylonitrile	5.551	53	439940	83.433	ug/l	99
16) Acetone	4.287	43	366664	83.362	ug/l	94
17) Carbon Disulfide	4.534	76	305534	16.230	ug/l	96
18) Methyl Acetate	4.851	43	208754	17.976	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	449335	18.099	ug/l	95
20) Methylene Chloride	5.093	84	143565	18.104	ug/l	92
21) trans-1,2-Dichloroethene	5.598	96	124835	17.260	ug/l	93
22) Diisopropyl ether	6.492	45	508716	17.954	ug/l	95
23) Vinyl Acetate	6.428	43	2145861	89.460	ug/l	97
24) 1,1-Dichloroethane	6.387	63	256957	17.163	ug/l	100
25) 2-Butanone	7.328	43	598234	84.432	ug/l	95
26) 2,2-Dichloropropane	7.322	77	200203	17.333	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	148104	17.253	ug/l	89
28) Bromochloromethane	7.657	49	116976	17.545	ug/l	84
29) Tetrahydrofuran	7.681	42	413074	84.153	ug/l	92
30) Chloroform	7.816	83	251249	17.595	ug/l	96
31) Cyclohexane	8.092	56	250003	17.318	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	212515	17.471	ug/l	99
36) 1,1-Dichloropropene	8.216	75	184671	17.181	ug/l	97
37) Ethyl Acetate	7.410	43	255351	17.262	ug/l	97
38) Carbon Tetrachloride	8.204	117	175615	16.891	ug/l	99
39) Methylcyclohexane	9.457	83	226527	17.914	ug/l	93
40) Benzene	8.457	78	575667	17.776	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	112515	15.542	ug/l	94
42) 1,2-Dichloroethane	8.528	62	209533	18.593	ug/l	99
43) Isopropyl Acetate	8.557	43	377990	17.087	ug/l	98
44) Trichloroethene	9.210	130	138271	18.095	ug/l	95
45) 1,2-Dichloropropane	9.486	63	155551	17.893	ug/l	99
46) Dibromomethane	9.575	93	97587	18.238	ug/l	97
47) Bromodichloromethane	9.757	83	191910	17.747	ug/l	98
48) Methyl methacrylate	9.557	41	177715	17.335	ug/l #	84
49) 1,4-Dioxane	9.563	88	63665	357.281	ug/l	90
51) 4-Methyl-2-Pentanone	10.328	43	1195484	87.079	ug/l	100
52) Toluene	10.498	92	353756	17.739	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	211687	17.759	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	233916	17.960	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	140269	17.553	ug/l	98
56) Ethyl methacrylate	10.757	69	228223	17.489	ug/l #	88
57) 1,3-Dichloropropane	11.039	76	252610	17.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	148169	75.884	ug/l	94
59) 2-Hexanone	11.080	43	825599	88.137	ug/l	100
60) Dibromochloromethane	11.233	129	138976	17.504	ug/l	97
61) 1,2-Dibromoethane	11.339	107	145246	17.784	ug/l	98
64) Tetrachloroethene	10.975	164	122545	18.273	ug/l	98
65) Chlorobenzene	11.769	112	366858	17.766	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	130170	17.191	ug/l	98
67) Ethyl Benzene	11.839	91	664596	18.202	ug/l	98
68) m/p-Xylenes	11.951	106	501301	37.531	ug/l	100
69) o-Xylene	12.274	106	248575	18.566	ug/l	100
70) Styrene	12.292	104	381591	18.412	ug/l	98
71) Bromoform	12.457	173	102537	17.832	ug/l #	99
73) Isopropylbenzene	12.574	105	624561	17.048	ug/l	100
74) N-amyl acetate	12.386	43	221220	16.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	215930	18.205	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	190915m	18.976	ug/l	
77) Bromobenzene	12.857	156	147049	17.213	ug/l	82
78) n-propylbenzene	12.916	91	684223	17.404	ug/l	98
79) 2-Chlorotoluene	13.004	91	430120	17.044	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	507297	17.798	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	55090	15.670	ug/l	97
82) 4-Chlorotoluene	13.104	91	398542	17.730	ug/l	94
83) tert-Butylbenzene	13.321	119	445241	17.504	ug/l	95
84) 1,2,4-Trimethylbenzene	13.363	105	503815	18.454	ug/l	99
85) sec-Butylbenzene	13.498	105	598937	17.715	ug/l	99
86) p-Isopropyltoluene	13.610	119	473447	17.806	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	237763	17.129	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	228936	16.872	ug/l	96
89) n-Butylbenzene	13.939	91	349026	16.783	ug/l	95
90) Hexachloroethane	14.204	117	87755	16.596	ug/l	88
91) 1,2-Dichlorobenzene	13.986	146	232319	17.409	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	34198	16.043	ug/l	87
93) 1,2,4-Trichlorobenzene	15.262	180	98895	17.918	ug/l	99
94) Hexachlorobutadiene	15.362	225	67002	17.884	ug/l	99
95) Naphthalene	15.504	128	244606	17.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	93590	17.560	ug/l	98

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

