

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072235.D
 Acq On : 28 Apr 2022 13:55
 Operator : JC\MD
 Sample : VN0428WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 28 14:53:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	244498	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	405663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	369957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	142282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	196471	52.342	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 104.680%		
35) Dibromofluoromethane	8.016	113	136824	52.696	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 105.400%		
50) Toluene-d8	10.439	98	534153	52.355	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.700%		
62) 4-Bromofluorobenzene	12.727	95	177412	52.389	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 104.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	54203	19.676	ug/l	100
3) Chloromethane	2.299	50	53292	16.793	ug/l	98
4) Vinyl Chloride	2.440	62	43873	15.940	ug/l	99
5) Bromomethane	2.846	94	27966	19.876	ug/l	92
6) Chloroethane	3.016	64	27657	16.673	ug/l	92
7) Trichlorofluoromethane	3.369	101	88248	18.352	ug/l	97
8) Diethyl Ether	3.822	74	31027	17.819	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.210	101	45651	18.074	ug/l	97
10) Methyl Iodide	4.428	142	52825	17.229	ug/l	# 83
11) Tert butyl alcohol	5.363	59	60014	97.292	ug/l	99
12) 1,1-Dichloroethene	4.187	96	41361	17.712	ug/l	91
13) Acrolein	4.046	56	44630	71.895	ug/l	95
14) Allyl chloride	4.840	41	79813	16.461	ug/l	95
15) Acrylonitrile	5.551	53	162182	87.128	ug/l	98
16) Acetone	4.287	43	143388	88.603	ug/l	97
17) Carbon Disulfide	4.534	76	91517	16.899	ug/l	# 95
18) Methyl Acetate	4.851	43	79511	17.549	ug/l	94
19) Methyl tert-butyl Ether	5.610	73	174587	19.073	ug/l	96
20) Methylene Chloride	5.093	84	52589	16.953	ug/l	89
21) trans-1,2-Dichloroethene	5.604	96	44604	17.322	ug/l	92
22) Diisopropyl ether	6.498	45	177486	17.772	ug/l	93
23) Vinyl Acetate	6.434	43	751194	89.561	ug/l	95
24) 1,1-Dichloroethane	6.387	63	100320	17.958	ug/l	99
25) 2-Butanone	7.328	43	223626	86.768	ug/l	92
26) 2,2-Dichloropropane	7.322	77	86096	19.730	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	54484	17.356	ug/l	87
28) Bromochloromethane	7.651	49	44767	17.897	ug/l	85
29) Tetrahydrofuran	7.681	42	144631	85.510	ug/l	93
30) Chloroform	7.816	83	102932	18.352	ug/l	97
31) Cyclohexane	8.092	56	85426	17.033	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	93384	19.564	ug/l	100
36) 1,1-Dichloropropene	8.222	75	69390	18.360	ug/l	95
37) Ethyl Acetate	7.410	43	93422	18.614	ug/l	97
38) Carbon Tetrachloride	8.204	117	79307	19.593	ug/l	98
39) Methylcyclohexane	9.457	83	75880	17.951	ug/l	91
40) Benzene	8.457	78	215523	18.385	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	41445	16.323	ug/l	92
42) 1,2-Dichloroethane	8.522	62	87306	19.453	ug/l	96
43) Isopropyl Acetate	8.557	43	136655	17.864	ug/l	96
44) Trichloroethene	9.216	130	48825	17.905	ug/l	92
45) 1,2-Dichloropropane	9.486	63	57283	18.084	ug/l	93
46) Dibromomethane	9.575	93	38502	19.403	ug/l	90
47) Bromodichloromethane	9.757	83	80314	19.289	ug/l	96
48) Methyl methacrylate	9.557	41	60084	18.123	ug/l	96
49) 1,4-Dioxane	9.563	88	23727	407.415	ug/l #	89
51) 4-Methyl-2-Pentanone	10.327	43	448048	94.612	ug/l	95
52) Toluene	10.498	92	135458	19.329	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	81092	19.375	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	87945	19.429	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	56814	19.335	ug/l	95
56) Ethyl methacrylate	10.757	69	85060	18.112	ug/l	89
57) 1,3-Dichloropropane	11.039	76	100031	19.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.039	63	98766	84.009	ug/l	93
59) 2-Hexanone	11.080	43	317048	95.024	ug/l	93
60) Dibromochloromethane	11.233	129	59512	19.806	ug/l	100
61) 1,2-Dibromoethane	11.339	107	55953	19.362	ug/l	99
64) Tetrachloroethene	10.975	164	41422	18.600	ug/l	91
65) Chlorobenzene	11.769	112	136777	18.298	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	54792	19.453	ug/l	98
67) Ethyl Benzene	11.839	91	252654	19.381	ug/l	96
68) m/p-Xylenes	11.951	106	184957	38.208	ug/l	88
69) o-Xylene	12.274	106	91992	19.602	ug/l	88
70) Styrene	12.286	104	148415	20.078	ug/l	95
71) Bromoform	12.457	173	43308	20.674	ug/l #	99
73) Isopropylbenzene	12.574	105	242795	19.321	ug/l	96
74) N-amyl acetate	12.386	43	82902	17.609	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	86251	19.704	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	67456m	20.797	ug/l	
77) Bromobenzene	12.857	156	53607	18.039	ug/l	84
78) n-propylbenzene	12.916	91	266032	19.217	ug/l	95
79) 2-Chlorotoluene	13.004	91	171577	18.869	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	206137	19.697	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.621	75	22964	18.662	ug/l	88
82) 4-Chlorotoluene	13.098	91	157817	18.645	ug/l	94
83) tert-Butylbenzene	13.316	119	178944	19.474	ug/l	93
84) 1,2,4-Trimethylbenzene	13.363	105	200245	19.776	ug/l	94
85) sec-Butylbenzene	13.498	105	232529	19.410	ug/l	97
86) p-Isopropyltoluene	13.610	119	186651	19.985	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	92706	19.275	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	87696	18.749	ug/l	95
89) n-Butylbenzene	13.939	91	130030	18.177	ug/l	98
90) Hexachloroethane	14.204	117	36238	17.874	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	89886	18.961	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	16386	18.854	ug/l	73
93) 1,2,4-Trichlorobenzene	15.257	180	35492	17.831	ug/l	99
94) Hexachlorobutadiene	15.362	225	25044	19.715	ug/l	99
95) Naphthalene	15.504	128	94698	16.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	36123	18.328	ug/l	97

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

