

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071622.D
 Acq On : 28 Mar 2022 23:09
 Operator : JC\MD
 Sample : VN0328WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS02

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 09:52:04 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	700780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1106284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	989821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	371054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	424911	50.570	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.140%			
35) Dibromofluoromethane	8.016	113	347264	51.111	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.220%			
50) Toluene-d8	10.439	98	1440319	51.393	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.727	95	437628	47.867	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	128034	18.650	ug/l	94
3) Chloromethane	2.299	50	151908	18.804	ug/l	98
4) Vinyl Chloride	2.440	62	172306	19.199	ug/l	98
5) Bromomethane	2.834	94	112177	21.273	ug/l	99
6) Chloroethane	3.010	64	111062	17.261	ug/l	96
7) Trichlorofluoromethane	3.369	101	202802	18.960	ug/l	97
8) Diethyl Ether	3.822	74	81779	18.374	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	118148	18.180	ug/l	97
10) Methyl Iodide	4.422	142	174636	18.219	ug/l	100
11) Tert butyl alcohol	5.357	59	129160	87.055	ug/l	100
12) 1,1-Dichloroethene	4.187	96	118755	18.879	ug/l	98
13) Acrolein	4.040	56	110128	88.959	ug/l	97
14) Allyl chloride	4.846	41	187415	18.667	ug/l	98
15) Acrylonitrile	5.545	53	385387	93.004	ug/l	99
16) Acetone	4.287	43	304417	87.885	ug/l	100
17) Carbon Disulfide	4.534	76	297845	19.012	ug/l	99
18) Methyl Acetate	4.846	43	176006	19.073	ug/l	99
19) Methyl tert-butyl Ether	5.616	73	424832	18.495	ug/l	99
20) Methylene Chloride	5.093	84	143489	18.741	ug/l	99
21) trans-1,2-Dichloroethene	5.598	96	125800	18.700	ug/l	99
22) Diisopropyl ether	6.492	45	406199	18.926	ug/l	98
23) Vinyl Acetate	6.428	43	1697316	93.742	ug/l	99
24) 1,1-Dichloroethane	6.381	63	239707	18.755	ug/l	98
25) 2-Butanone	7.328	43	496351	92.057	ug/l	99
26) 2,2-Dichloropropane	7.322	77	191213	17.407	ug/l	100
27) cis-1,2-Dichloroethene	7.322	96	157463	19.046	ug/l	96
28) Bromochloromethane	7.651	49	89653	17.365	ug/l	99
29) Tetrahydrofuran	7.681	42	332759	95.072	ug/l	99
30) Chloroform	7.816	83	246534	18.821	ug/l	98
31) Cyclohexane	8.092	56	225757	19.239	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	212803	18.730	ug/l	99
36) 1,1-Dichloropropene	8.216	75	182966	18.733	ug/l	100
37) Ethyl Acetate	7.410	43	200814	18.803	ug/l	100
38) Carbon Tetrachloride	8.204	117	180616	18.660	ug/l	98
39) Methylcyclohexane	9.457	83	225974	18.706	ug/l	98
40) Benzene	8.457	78	577123	19.245	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	105474	20.305	ug/l	90
42) 1,2-Dichloroethane	8.522	62	196417	18.950	ug/l	99
43) Isopropyl Acetate	8.557	43	304956	17.605	ug/l	99
44) Trichloroethene	9.216	130	148836	18.883	ug/l	98
45) 1,2-Dichloropropane	9.486	63	138151	18.700	ug/l	97
46) Dibromomethane	9.569	93	97211	19.227	ug/l	99
47) Bromodichloromethane	9.757	83	189724	19.045	ug/l	97
48) Methyl methacrylate	9.557	41	142403	18.513	ug/l	100
49) 1,4-Dioxane	9.563	88	62478	368.914	ug/l	97
51) 4-Methyl-2-Pentanone	10.322	43	986866	94.240	ug/l	99
52) Toluene	10.498	92	366463	19.002	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	198686	18.346	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	216859	18.405	ug/l	99
55) 1,1,2-Trichloroethane	10.892	97	146804	18.903	ug/l	99
56) Ethyl methacrylate	10.757	69	221857	19.118	ug/l	97
57) 1,3-Dichloropropane	11.039	76	249519	19.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.033	63	219996	76.490	ug/l	99
59) 2-Hexanone	11.080	43	697266	93.074	ug/l	99
60) Dibromochloromethane	11.233	129	149512	19.198	ug/l	98
61) 1,2-Dibromoethane	11.339	107	149854	19.060	ug/l	99
64) Tetrachloroethene	10.975	164	130412	19.037	ug/l	99
65) Chlorobenzene	11.763	112	396398	19.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	139759	18.855	ug/l	99
67) Ethyl Benzene	11.839	91	686335	19.247	ug/l	99
68) m/p-Xylenes	11.945	106	533580	39.388	ug/l	99
69) o-Xylene	12.274	106	262575	19.291	ug/l	98
70) Styrene	12.286	104	402174	19.354	ug/l	99
71) Bromoform	12.451	173	109517	18.773	ug/l #	98
73) Isopropylbenzene	12.574	105	662418	20.410	ug/l	100
74) N-amyl acetate	12.386	43	185013	18.776	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	210482	19.375	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	181678m	20.392	ug/l	
77) Bromobenzene	12.857	156	159232	19.510	ug/l	97
78) n-propylbenzene	12.916	91	693314	19.813	ug/l	100
79) 2-Chlorotoluene	13.004	91	435479	19.873	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	529389	20.661	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.616	75	54054	17.512	ug/l	95
82) 4-Chlorotoluene	13.098	91	396460	19.397	ug/l	99
83) tert-Butylbenzene	13.321	119	474716	20.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	512018	20.404	ug/l	99
85) sec-Butylbenzene	13.498	105	615854	19.823	ug/l	100
86) p-Isopropyltoluene	13.610	119	488316	19.782	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	245619	18.640	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	234481	17.926	ug/l	98
89) n-Butylbenzene	13.939	91	339866	18.221	ug/l	99
90) Hexachloroethane	14.204	117	88784	19.154	ug/l	98
91) 1,2-Dichlorobenzene	13.980	146	236572	18.326	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	33262	17.711	ug/l	98
93) 1,2,4-Trichlorobenzene	15.257	180	93417	16.385	ug/l	97
94) Hexachlorobutadiene	15.362	225	63988	17.811	ug/l	98
95) Naphthalene	15.498	128	235368	16.299	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	92917	16.276	ug/l	99

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

