

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071623.D
 Acq On : 28 Mar 2022 23:33
 Operator : JC\MD
 Sample : VN0328WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 09:52:31 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	8.080	168	632823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1008664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	927510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	348846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	380076	50.091	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.180%			
35) Dibromofluoromethane	8.016	113	310825	50.176	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.360%			
50) Toluene-d8	10.433	98	1280693	50.120	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.240%			
62) 4-Bromofluorobenzene	12.727	95	396331	47.546	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	123686	19.952	ug/l	98
3) Chloromethane	2.299	50	149531	20.497	ug/l	98
4) Vinyl Chloride	2.446	62	167862	20.713	ug/l	99
5) Bromomethane	2.834	94	108286	22.740	ug/l	94
6) Chloroethane	3.010	64	106893	18.646	ug/l	98
7) Trichlorofluoromethane	3.375	101	200257	20.732	ug/l	99
8) Diethyl Ether	3.828	74	83437	20.760	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	117832	20.078	ug/l	98
10) Methyl Iodide	4.422	142	174915	20.207	ug/l	99
11) Tert butyl alcohol	5.357	59	127311	95.023	ug/l	100
12) 1,1-Dichloroethene	4.181	96	115756	20.378	ug/l	96
13) Acrolein	4.040	56	106650	95.401	ug/l	98
14) Allyl chloride	4.840	41	181440	20.012	ug/l	99
15) Acrylonitrile	5.545	53	386332	103.245	ug/l	99
16) Acetone	4.281	43	298457	95.417	ug/l	100
17) Carbon Disulfide	4.528	76	287682	20.335	ug/l	99
18) Methyl Acetate	4.851	43	176022	21.219	ug/l	99
19) Methyl tert-butyl Ether	5.610	73	416956	20.101	ug/l	97
20) Methylene Chloride	5.092	84	138167	19.984	ug/l	97
21) trans-1,2-Dichloroethene	5.598	96	125300	20.625	ug/l	98
22) Diisopropyl ether	6.492	45	395375	20.400	ug/l	100
23) Vinyl Acetate	6.428	43	1677673	102.607	ug/l	99
24) 1,1-Dichloroethane	6.386	63	235559	20.409	ug/l	97
25) 2-Butanone	7.328	43	494612	101.586	ug/l	99
26) 2,2-Dichloropropane	7.322	77	184392	18.588	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	152228	20.390	ug/l	97
28) Bromochloromethane	7.651	49	92132	19.762	ug/l	99
29) Tetrahydrofuran	7.681	42	335971	106.298	ug/l	99
30) Chloroform	7.816	83	244725	20.689	ug/l	99
31) Cyclohexane	8.092	56	216612	20.442	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	204619	19.943	ug/l	98
36) 1,1-Dichloropropene	8.222	75	178131	20.003	ug/l	99
37) Ethyl Acetate	7.404	43	198534	20.388	ug/l	97
38) Carbon Tetrachloride	8.204	117	172491	19.545	ug/l	99
39) Methylcyclohexane	9.457	83	217302	19.729	ug/l	97
40) Benzene	8.457	78	566854	20.732	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	90759	19.163	ug/l	98
42) 1,2-Dichloroethane	8.528	62	194071	20.536	ug/l	100
43) Isopropyl Acetate	8.557	43	305671	19.334	ug/l	100
44) Trichloroethene	9.210	130	145046	20.183	ug/l	96
45) 1,2-Dichloropropane	9.486	63	137378	20.395	ug/l	96
46) Dibromomethane	9.569	93	93761	20.339	ug/l	99
47) Bromodichloromethane	9.757	83	183755	20.231	ug/l	99
48) Methyl methacrylate	9.551	41	142019	20.250	ug/l	98
49) 1,4-Dioxane	9.563	88	58310	377.626	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	984130	103.074	ug/l	100
52) Toluene	10.498	92	364966	20.756	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	192553	19.501	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	214112	19.931	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	142128	20.072	ug/l	99
56) Ethyl methacrylate	10.757	69	215220	20.341	ug/l	98
57) 1,3-Dichloropropane	11.039	76	242217	20.491	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	227836	84.192	ug/l	100
59) 2-Hexanone	11.080	43	705650	103.309	ug/l	99
60) Dibromochloromethane	11.233	129	143524	20.213	ug/l	99
61) 1,2-Dibromoethane	11.339	107	144525	20.161	ug/l	98
64) Tetrachloroethene	10.974	164	127844	19.916	ug/l	97
65) Chlorobenzene	11.763	112	383446	19.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	137110	19.740	ug/l	99
67) Ethyl Benzene	11.839	91	670052	20.053	ug/l	99
68) m/p-Xylenes	11.951	106	514578	40.538	ug/l	100
69) o-Xylene	12.274	106	250679	19.655	ug/l	100
70) Styrene	12.286	104	389191	19.987	ug/l	100
71) Bromoform	12.451	173	107260	19.621	ug/l #	98
73) Isopropylbenzene	12.574	105	648883	21.266	ug/l	100
74) N-amyl acetate	12.380	43	182663	19.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	210222	20.583	ug/l	97
76) 1,2,3-Trichloropropane	12.874	75	180681m	21.571	ug/l	
77) Bromobenzene	12.857	156	154227	20.100	ug/l	97
78) n-propylbenzene	12.915	91	671695	20.417	ug/l	99
79) 2-Chlorotoluene	13.004	91	422231	20.495	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	509349	21.145	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	54177	18.669	ug/l	98
82) 4-Chlorotoluene	13.098	91	388994	20.243	ug/l	99
83) tert-Butylbenzene	13.315	119	458444	20.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	499720	21.182	ug/l	99
85) sec-Butylbenzene	13.498	105	601153	20.582	ug/l	100
86) p-Isopropyltoluene	13.610	119	481417	20.744	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	240005	19.373	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	233387	18.978	ug/l	98
89) n-Butylbenzene	13.939	91	328654	18.742	ug/l	99
90) Hexachloroethane	14.204	117	87750	20.136	ug/l	96
91) 1,2-Dichlorobenzene	13.986	146	234496	19.322	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	34213	19.377	ug/l	99
93) 1,2,4-Trichlorobenzene	15.257	180	97395	18.171	ug/l	100
94) Hexachlorobutadiene	15.362	225	65141	19.286	ug/l	99
95) Naphthalene	15.504	128	257506	18.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	97677	18.199	ug/l	98

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

