

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070958.D
 Acq On : 16 Feb 2022 14:59
 Operator : JC\MD
 Sample : VN0216WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 04:09:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	716643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1126885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1029502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	461978	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	436012	53.261	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.520%	
35) Dibromofluoromethane	8.016	113	348454	51.987	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.980%	
50) Toluene-d8	10.433	98	1386630	51.514	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.727	95	480561	49.947	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.900%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.069	85	141870	19.060	ug/l 97
3) Chloromethane	2.299	50	179349	19.170	ug/l 97
4) Vinyl Chloride	2.446	62	179084	19.122	ug/l 100
5) Bromomethane	2.851	94	111188	20.899	ug/l 98
6) Chloroethane	3.016	64	114004	18.554	ug/l 100
7) Trichlorofluoromethane	3.375	101	220532	18.790	ug/l 98
8) Diethyl Ether	3.822	74	98648	19.334	ug/l 88
9) 1,1,2-Trichlorotrifluo...	4.198	101	135466	18.812	ug/l 97
10) Methyl Iodide	4.416	142	196114	19.664	ug/l 98
11) Tert butyl alcohol	5.375	59	153259	102.727	ug/l 97
12) 1,1-Dichloroethene	4.175	96	131509	18.744	ug/l 99
13) Acrolein	4.034	56	128386	96.304	ug/l 99
14) Allyl chloride	4.834	41	255507	19.095	ug/l 88
15) Acrylonitrile	5.551	53	458720	104.385	ug/l 99
16) Acetone	4.281	43	403359	89.468	ug/l 93
17) Carbon Disulfide	4.522	76	367629	18.272	ug/l 99
18) Methyl Acetate	4.851	43	211440	21.070	ug/l 99
19) Methyl tert-butyl Ether	5.610	73	501810	20.390	ug/l 100
20) Methylene Chloride	5.093	84	161112	19.663	ug/l 98
21) trans-1,2-Dichloroethene	5.598	96	144016	19.125	ug/l 96
22) Diisopropyl ether	6.487	45	538248	20.974	ug/l 96
23) Vinyl Acetate	6.428	43	2270789	104.529	ug/l 99
24) 1,1-Dichloroethane	6.381	63	282876	19.663	ug/l 98
25) 2-Butanone	7.334	43	611021	101.880	ug/l 98
26) 2,2-Dichloropropane	7.322	77	229154	19.166	ug/l 99
27) cis-1,2-Dichloroethene	7.322	96	170138	19.658	ug/l 93
28) Bromochloromethane	7.651	49	118992	20.436	ug/l 92
29) Tetrahydrofuran	7.686	42	419600	107.998	ug/l 95
30) Chloroform	7.816	83	279317	19.741	ug/l 100
31) Cyclohexane	8.086	56	272932	19.278	ug/l 97
32) 1,1,1-Trichloroethane	8.010	97	241139	19.735	ug/l 100
36) 1,1-Dichloropropene	8.216	75	212014	19.307	ug/l 97
37) Ethyl Acetate	7.410	43	257478	21.863	ug/l 99
38) Carbon Tetrachloride	8.204	117	204087	18.862	ug/l 97
39) Methylcyclohexane	9.457	83	265987	18.824	ug/l 97
40) Benzene	8.457	78	642971	19.794	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	128537	20.723	ug/l #	89
42) 1,2-Dichloroethane	8.522	62	223028	20.160	ug/l	97
43) Isopropyl Acetate	8.557	43	384970	20.738	ug/l	99
44) Trichloroethene	9.210	130	163581	19.124	ug/l	98
45) 1,2-Dichloropropane	9.486	63	168581	20.261	ug/l	98
46) Dibromomethane	9.569	93	109782	20.049	ug/l	99
47) Bromodichloromethane	9.757	83	218595	19.753	ug/l	99
48) Methyl methacrylate	9.557	41	184024	20.944	ug/l #	85
49) 1,4-Dioxane	9.563	88	66062	423.309	ug/l	91
51) 4-Methyl-2-Pentanone	10.327	43	1195788	105.875	ug/l	96
52) Toluene	10.498	92	407193	19.950	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	237665	19.750	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	258205	19.539	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	158343	19.819	ug/l	98
56) Ethyl methacrylate	10.757	69	254129	21.111	ug/l #	93
57) 1,3-Dichloropropane	11.039	76	280925	20.328	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	205197	98.686	ug/l	98
59) 2-Hexanone	11.080	43	835294	107.534	ug/l	97
60) Dibromochloromethane	11.233	129	169247	20.045	ug/l	99
61) 1,2-Dibromoethane	11.339	107	167544	20.617	ug/l	99
64) Tetrachloroethene	10.974	164	152925	19.073	ug/l	98
65) Chlorobenzene	11.763	112	432962	19.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	157422	19.467	ug/l	99
67) Ethyl Benzene	11.839	91	758765	19.542	ug/l	97
68) m/p-Xylenes	11.945	106	591936	39.468	ug/l	99
69) o-Xylene	12.274	106	293631	20.042	ug/l	97
70) Styrene	12.286	104	457204	19.626	ug/l	98
71) Bromoform	12.451	173	124879	19.390	ug/l #	100
73) Isopropylbenzene	12.574	105	738532	19.861	ug/l	99
74) N-amyl acetate	12.386	43	251731	21.178	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.821	83	243686	20.623	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	212232m	19.511	ug/l	
77) Bromobenzene	12.857	156	179582	19.728	ug/l	88
78) n-propylbenzene	12.916	91	842515	20.166	ug/l	99
79) 2-Chlorotoluene	13.004	91	508117	20.027	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	609141	20.220	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	64686	19.271	ug/l	91
82) 4-Chlorotoluene	13.098	91	490854	19.930	ug/l	96
83) tert-Butylbenzene	13.315	119	543401	19.020	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	605335	20.412	ug/l	99
85) sec-Butylbenzene	13.498	105	750065	19.924	ug/l	100
86) p-Isopropyltoluene	13.610	119	616063	19.934	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	316648	19.650	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	315109	19.959	ug/l	98
89) n-Butylbenzene	13.939	91	493333	19.566	ug/l	97
90) Hexachloroethane	14.204	117	105657	19.144	ug/l	92
91) 1,2-Dichlorobenzene	13.980	146	301939	19.954	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	39210	20.480	ug/l	95
93) 1,2,4-Trichlorobenzene	15.257	180	161122	20.185	ug/l	98
94) Hexachlorobutadiene	15.362	225	105924	19.196	ug/l	97
95) Naphthalene	15.504	128	353108	20.380	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	147775	20.414	ug/l	98

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

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