

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071261.D
 Acq On : 14 Mar 2022 13:14
 Operator : JC\MD
 Sample : VN0314WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 15 02:50:37 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	602551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	984275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	884376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	357289	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	389682	47.187	ug/l	-0.01
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.380%
35) Dibromofluoromethane	8.016	113	290397	46.754	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.500%
50) Toluene-d8	10.433	98	1113957	44.544	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	89.080%
62) 4-Bromofluorobenzene	12.727	95	374883	44.269	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.540%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.069	85	101031	15.299	ug/l	98
3) Chloromethane	2.299	50	147421	16.605	ug/l	100
4) Vinyl Chloride	2.440	62	131812	16.287	ug/l	98
5) Bromomethane	2.851	94	82866	19.256	ug/l	99
6) Chloroethane	3.010	64	82544	16.842	ug/l	97
7) Trichlorofluoromethane	3.375	101	176076	16.530	ug/l	95
8) Diethyl Ether	3.822	74	84979	18.643	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.210	101	105094	17.043	ug/l	95
10) Methyl Iodide	4.416	142	135439	15.551	ug/l	99
11) Tert butyl alcohol	5.357	59	136147	83.923	ug/l	100
12) 1,1-Dichloroethene	4.187	96	98447	16.297	ug/l	98
13) Acrolein	4.040	56	82629	48.121	ug/l	98
14) Allyl chloride	4.840	41	221149	16.832	ug/l	87
15) Acrylonitrile	5.545	53	421269	87.453	ug/l	99
16) Acetone	4.281	43	349267	86.922	ug/l	100
17) Carbon Disulfide	4.528	76	250052	14.540	ug/l	97
18) Methyl Acetate	4.851	43	214933	20.200	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	431717	19.035	ug/l	96
20) Methylene Chloride	5.093	84	131872	18.201	ug/l	86
21) trans-1,2-Dichloroethene	5.592	96	110843	16.775	ug/l	91
22) Diisopropyl ether	6.492	45	474298	18.324	ug/l	91
23) Vinyl Acetate	6.428	43	2051157	93.604	ug/l	97
24) 1,1-Dichloroethane	6.387	63	237380	17.355	ug/l	96
25) 2-Butanone	7.328	43	562418	86.889	ug/l	95
26) 2,2-Dichloropropane	7.316	77	187327	17.753	ug/l	96
27) cis-1,2-Dichloroethene	7.316	96	138104	17.611	ug/l	92
28) Bromochloromethane	7.657	49	105878	17.383	ug/l	86
29) Tetrahydrofuran	7.681	42	398065	88.770	ug/l	92
30) Chloroform	7.810	83	234396	17.968	ug/l	99
31) Cyclohexane	8.086	56	219429	16.639	ug/l	92
32) 1,1,1-Trichloroethane	8.004	97	190610	17.153	ug/l	98
36) 1,1-Dichloropropene	8.216	75	164818	16.562	ug/l	96
37) Ethyl Acetate	7.404	43	231690	16.917	ug/l	98
38) Carbon Tetrachloride	8.198	117	162983	16.932	ug/l	99
39) Methylcyclohexane	9.457	83	194240	16.592	ug/l	96
40) Benzene	8.457	78	521523	17.394	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	128978	19.243	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	198344	19.010	ug/l	99
43) Isopropyl Acetate	8.551	43	392954	19.186	ug/l	94
44) Trichloroethene	9.210	130	122793	17.357	ug/l	92
45) 1,2-Dichloropropane	9.486	63	142350	17.686	ug/l	99
46) Dibromomethane	9.569	93	90277	18.223	ug/l	97
47) Bromodichloromethane	9.757	83	183470	18.326	ug/l	97
48) Methyl methacrylate	9.557	41	171151	18.033	ug/l #	84
49) 1,4-Dioxane	9.563	88	58368	353.793	ug/l	89
51) 4-Methyl-2-Pentanone	10.322	43	1140083	89.696	ug/l	100
52) Toluene	10.498	92	320390	17.353	ug/l	96
53) t-1,3-Dichloropropene	10.710	75	201087	18.221	ug/l	100
54) cis-1,3-Dichloropropene	10.180	75	219269	18.184	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	133939	18.104	ug/l	98
56) Ethyl methacrylate	10.757	69	216810	17.945	ug/l	90
57) 1,3-Dichloropropane	11.039	76	235786	17.755	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.033	63	326689	142.220	ug/l	95
59) 2-Hexanone	11.080	43	817811	94.299	ug/l	99
60) Dibromochloromethane	11.233	129	137374	18.688	ug/l	99
61) 1,2-Dibromoethane	11.339	107	134361	17.769	ug/l	100
64) Tetrachloroethene	10.969	164	107472	17.424	ug/l	96
65) Chlorobenzene	11.763	112	335136	17.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	125714	18.052	ug/l	98
67) Ethyl Benzene	11.839	91	593093	17.662	ug/l	97
68) m/p-Xylenes	11.945	106	447312	36.412	ug/l	98
69) o-Xylene	12.274	106	223928	18.184	ug/l	97
70) Styrene	12.286	104	351772	18.454	ug/l	98
71) Bromoform	12.451	173	102023	19.291	ug/l #	99
73) Isopropylbenzene	12.574	105	560029	16.260	ug/l	100
74) N-amyl acetate	12.386	43	238584	18.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	208497	18.771	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	185137m	19.668	ug/l	
77) Bromobenzene	12.857	156	137177	17.080	ug/l	81
78) n-propylbenzene	12.916	91	609761	16.498	ug/l	98
79) 2-Chlorotoluene	13.004	91	394471	16.627	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	454808	16.973	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	61580	18.631	ug/l	93
82) 4-Chlorotoluene	13.098	91	372414	17.623	ug/l	93
83) tert-Butylbenzene	13.316	119	410511	17.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	453462	17.668	ug/l	100
85) sec-Butylbenzene	13.498	105	540846	17.016	ug/l	99
86) p-Isopropyltoluene	13.610	119	434755	17.392	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	226413	17.350	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	218125	17.100	ug/l	96
89) n-Butylbenzene	13.939	91	328542	16.804	ug/l	97
90) Hexachloroethane	14.204	117	79211	15.935	ug/l	91
91) 1,2-Dichlorobenzene	13.980	146	222266	17.716	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	37448	18.687	ug/l	84
93) 1,2,4-Trichlorobenzene	15.257	180	93347	17.978	ug/l	99
94) Hexachlorobutadiene	15.362	225	61707	17.520	ug/l	96
95) Naphthalene	15.504	128	251518	18.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	92059	18.247	ug/l	99

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

