

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071927.D
 Acq On : 11 Apr 2022 11:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2022
 Supervised By : Mahesh Dadoda 04/12/2022

Quant Time: Apr 11 12:27:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	495485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	777221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	751502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	308562	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	281465	49.759	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.520%
35) Dibromofluoromethane	8.016	113	245564	53.693	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.380%
50) Toluene-d8	10.439	98	962371	51.439	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.880%
62) 4-Bromofluorobenzene	12.727	95	337029	55.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	171234	43.470	ug/l	99
3) Chloromethane	2.299	50	206486	41.367	ug/l	99
4) Vinyl Chloride	2.440	62	222920	40.667	ug/l	99
5) Bromomethane	2.828	94	153884	43.185	ug/l	95
6) Chloroethane	3.005	64	159192	40.369	ug/l	99
7) Trichlorofluoromethane	3.369	101	331829	47.580	ug/l	97
8) Diethyl Ether	3.822	74	175644	59.593	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	217390	50.582	ug/l	97
10) Methyl Iodide	4.416	142	296378	49.333	ug/l	100
11) Tert butyl alcohol	5.363	59	276822	301.561	ug/l	100
12) 1,1-Dichloroethene	4.181	96	201374	49.239	ug/l	94
13) Acrolein	4.034	56	314151	280.674	ug/l	97
14) Allyl chloride	4.840	41	351659	52.977	ug/l	92
15) Acrylonitrile	5.546	53	837696	313.954	ug/l	98
16) Acetone	4.281	43	587697	243.111	ug/l	89
17) Carbon Disulfide	4.528	76	384176	40.941	ug/l	100
18) Methyl Acetate	4.846	43	341466	57.261	ug/l	97
19) Methyl tert-butyl Ether	5.604	73	914754	60.206	ug/l	98
20) Methylene Chloride	5.093	84	284871	55.909	ug/l	96
21) trans-1,2-Dichloroethene	5.593	96	225786	50.290	ug/l	97
22) Diisopropyl ether	6.487	45	843514	58.371	ug/l	99
23) Vinyl Acetate	6.428	43	3510941	305.520	ug/l	98
24) 1,1-Dichloroethane	6.381	63	479411	56.511	ug/l	97
25) 2-Butanone	7.328	43	989950	284.062	ug/l	95
26) 2,2-Dichloropropane	7.322	77	375466	51.520	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	314026	57.038	ug/l	96
28) Bromochloromethane	7.651	49	180762	52.821	ug/l	96
29) Tetrahydrofuran	7.675	42	647808	287.077	ug/l	95
30) Chloroform	7.810	83	516177	57.623	ug/l	100
31) Cyclohexane	8.092	56	341891	44.444	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	397487	51.869	ug/l	97
36) 1,1-Dichloropropene	8.216	75	321381	50.320	ug/l	99
37) Ethyl Acetate	7.404	43	406911	58.209	ug/l	99
38) Carbon Tetrachloride	8.204	117	328949	52.553	ug/l	97
39) Methylcyclohexane	9.457	83	375163	49.347	ug/l	99
40) Benzene	8.457	78	1120858	55.556	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	198131	57.885	ug/l	96
42) 1,2-Dichloroethane	8.528	62	381983	54.732	ug/l	96
43) Isopropyl Acetate	8.557	43	619441	53.275	ug/l	97
44) Trichloroethene	9.210	130	285872	54.999	ug/l	99
45) 1,2-Dichloropropane	9.486	63	299126	59.348	ug/l	99
46) Dibromomethane	9.575	93	200204	58.503	ug/l	97
47) Bromodichloromethane	9.757	83	415744	61.717	ug/l	98
48) Methyl methacrylate	9.551	41	293403	60.822	ug/l	91
49) 1,4-Dioxane	9.563	88	142138	1245.390	ug/l	97
51) 4-Methyl-2-Pentanone	10.328	43	2070827	309.770	ug/l	96
52) Toluene	10.498	92	730545	57.282	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	442658	62.699	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	484322	62.087	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	323520	61.637	ug/l	99
56) Ethyl methacrylate	10.757	69	502499	67.109	ug/l #	92
57) 1,3-Dichloropropane	11.039	76	536529	61.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	504558	220.990	ug/l	100
59) 2-Hexanone	11.080	43	1460460	310.299	ug/l	95
60) Dibromochloromethane	11.233	129	342912	67.002	ug/l	100
61) 1,2-Dibromoethane	11.339	107	319968	61.929	ug/l	99
64) Tetrachloroethene	10.969	164	245731	49.518	ug/l	96
65) Chlorobenzene	11.763	112	839375	55.780	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	315824	58.164	ug/l	100
67) Ethyl Benzene	11.839	91	1415788	55.578	ug/l	100
68) m/p-Xylenes	11.945	106	1094430	111.817	ug/l	99
69) o-Xylene	12.275	106	560048	57.648	ug/l	97
70) Styrene	12.292	104	920993	62.570	ug/l	98
71) Bromoform	12.451	173	267691	64.738	ug/l	99
73) Isopropylbenzene	12.575	105	1395371	53.665	ug/l	100
74) N-amyl acetate	12.380	43	430932	57.843	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.822	83	479641	55.286	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	408029m	57.082	ug/l	
77) Bromobenzene	12.857	156	356330	54.667	ug/l	97
78) n-propylbenzene	12.916	91	1522925	55.680	ug/l	100
79) 2-Chlorotoluene	13.004	91	965932	55.068	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	1143775	55.519	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.622	75	136150	59.026	ug/l	95
82) 4-Chlorotoluene	13.098	91	909472	55.937	ug/l	100
83) tert-Butylbenzene	13.322	119	1037623	55.099	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1128651	56.150	ug/l	99
85) sec-Butylbenzene	13.498	105	1382182	56.618	ug/l	100
86) p-Isopropyltoluene	13.610	119	1139396	58.536	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	580657	55.916	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	562513	55.524	ug/l	99
89) n-Butylbenzene	13.939	91	823679	57.054	ug/l	99
90) Hexachloroethane	14.204	117	204047	57.266	ug/l	95
91) 1,2-Dichlorobenzene	13.980	146	579202	56.814	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	79861	59.346	ug/l	97
93) 1,2,4-Trichlorobenzene	15.257	180	281986	57.113	ug/l	99
94) Hexachlorobutadiene	15.363	225	156549	52.066	ug/l	97
95) Naphthalene	15.504	128	792075	55.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	284141	59.260	ug/l	99

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

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