

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071310.D
 Acq On : 16 Mar 2022 10:24
 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 03/17/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 16 15:44:46 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	584801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	935091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	865269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	377657	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	405279	50.566	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.140%	
35) Dibromofluoromethane	8.016	113	307793	52.162	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.320%	
50) Toluene-d8	10.439	98	1218405	51.284	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.727	95	428377	53.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 106.500%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	278051	43.383	ug/l	99
3) Chloromethane	2.299	50	391339	45.478	ug/l	99
4) Vinyl Chloride	2.440	62	355771	45.294	ug/l	97
5) Bromomethane	2.828	94	187426	53.904	ug/l	99
6) Chloroethane	2.999	64	220383	46.331	ug/l	98
7) Trichlorofluoromethane	3.369	101	479471	46.378	ug/l	99
8) Diethyl Ether	3.822	74	207163	46.827	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.204	101	285415	47.690	ug/l	95
10) Methyl Iodide	4.416	142	370435	43.823	ug/l	99
11) Tert butyl alcohol	5.357	59	359665	228.431	ug/l	99
12) 1,1-Dichloroethene	4.175	96	270370	46.116	ug/l	95
13) Acrolein	4.040	56	323037	193.838	ug/l	98
14) Allyl chloride	4.840	41	588420	46.145	ug/l	87
15) Acrylonitrile	5.545	53	1115508	238.602	ug/l	98
16) Acetone	4.275	43	1152246	295.463	ug/l	97
17) Carbon Disulfide	4.528	76	693287	41.536	ug/l	97
18) Methyl Acetate	4.851	43	525313	50.155	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1066896	48.468	ug/l	95
20) Methylene Chloride	5.093	84	339201	47.609	ug/l	92
21) trans-1,2-Dichloroethene	5.592	96	292278	45.577	ug/l	90
22) Diisopropyl ether	6.492	45	1229898	48.958	ug/l	93
23) Vinyl Acetate	6.428	43	5328309	250.537	ug/l	97
24) 1,1-Dichloroethane	6.387	63	637744	48.042	ug/l	100
25) 2-Butanone	7.328	43	1646681	262.122	ug/l	96
26) 2,2-Dichloropropane	7.322	77	514513	50.240	ug/l	97
27) cis-1,2-Dichloroethene	7.322	96	360057	47.307	ug/l	90
28) Bromochloromethane	7.651	49	296639	50.181	ug/l	82
29) Tetrahydrofuran	7.681	42	1037401	238.367	ug/l	91
30) Chloroform	7.816	83	607516	47.983	ug/l	98
31) Cyclohexane	8.092	56	580522	45.356	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	519248	48.147	ug/l	97
36) 1,1-Dichloropropene	8.216	75	448582	47.447	ug/l	96
37) Ethyl Acetate	7.404	43	606573	46.619	ug/l	98
38) Carbon Tetrachloride	8.198	117	443816	48.533	ug/l	99
39) Methylcyclohexane	9.457	83	549672	49.422	ug/l	93
40) Benzene	8.457	78	1389832	48.792	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	304573	47.832	ug/l	91
42) 1,2-Dichloroethane	8.528	62	507018	51.150	ug/l	99
43) Isopropyl Acetate	8.557	43	973332	50.024	ug/l	96
44) Trichloroethene	9.210	130	332224	49.431	ug/l	97
45) 1,2-Dichloropropane	9.486	63	372137	48.667	ug/l	98
46) Dibromomethane	9.575	93	234242	49.771	ug/l	97
47) Bromodichloromethane	9.757	83	483480	50.833	ug/l	99
48) Methyl methacrylate	9.557	41	454533	50.409	ug/l #	83
49) 1,4-Dioxane	9.563	88	151717	967.991	ug/l #	86
51) 4-Methyl-2-Pentanone	10.327	43	3080331	255.092	ug/l	99
52) Toluene	10.498	92	866975	49.427	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	534784	51.007	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	581809	50.787	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	345606	49.171	ug/l	98
56) Ethyl methacrylate	10.757	69	584942	50.961	ug/l	92
57) 1,3-Dichloropropane	11.039	76	622975	49.379	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	849124	340.728	ug/l	94
59) 2-Hexanone	11.080	43	2277198	276.387	ug/l	100
60) Dibromochloromethane	11.233	129	365447	52.329	ug/l	100
61) 1,2-Dibromoethane	11.339	107	351343	48.909	ug/l	99
64) Tetrachloroethene	10.974	164	289381	47.953	ug/l	96
65) Chlorobenzene	11.763	112	910027	48.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	344221	50.520	ug/l	98
67) Ethyl Benzene	11.839	91	1680503	51.148	ug/l	97
68) m/p-Xylenes	11.951	106	1275549	106.124	ug/l	98
69) o-Xylene	12.274	106	625582	51.923	ug/l	97
70) Styrene	12.292	104	1030451	55.252	ug/l	97
71) Bromoform	12.451	173	279008	53.921	ug/l #	99
73) Isopropylbenzene	12.574	105	1630591	44.790	ug/l	99
74) N-amyl acetate	12.386	43	670768	49.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	545900	50.485	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	506904m	55.702	ug/l	
77) Bromobenzene	12.857	156	380569	44.830	ug/l	81
78) n-propylbenzene	12.916	91	1864661	47.731	ug/l	97
79) 2-Chlorotoluene	13.004	91	1134913	45.257	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1340164	47.316	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	178327	51.044	ug/l	92
82) 4-Chlorotoluene	13.098	91	1095415	49.040	ug/l	94
83) tert-Butylbenzene	13.316	119	1184188	46.849	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1323747	48.794	ug/l	100
85) sec-Butylbenzene	13.498	105	1639528	48.800	ug/l	99
86) p-Isopropyltoluene	13.610	119	1348874	51.051	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	655074	47.491	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	630625	46.771	ug/l	97
89) n-Butylbenzene	13.939	91	1049191	50.770	ug/l	96
90) Hexachloroethane	14.210	117	241076	45.881	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	632326	47.682	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	100766	47.571	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	289294	46.937	ug/l	99
94) Hexachlorobutadiene	15.362	225	178163	47.857	ug/l	98
95) Naphthalene	15.504	128	833012	48.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	291144	49.153	ug/l	99

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

