

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070995.D
 Acq On : 17 Feb 2022 22:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 00:53:25 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	670871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1101677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1039186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	429418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	371766	48.511	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.020%
35) Dibromofluoromethane	8.016	113	298938	45.620	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.240%
50) Toluene-d8	10.439	98	1192887	45.330	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.727	95	409427	43.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	318620	45.727	ug/l	99
3) Chloromethane	2.299	50	426245	48.668	ug/l	99
4) Vinyl Chloride	2.440	62	404173	46.100	ug/l	99
5) Bromomethane	2.828	94	215163	43.201	ug/l	98
6) Chloroethane	2.999	64	251607	43.744	ug/l	100
7) Trichlorofluoromethane	3.363	101	482664	43.929	ug/l	96
8) Diethyl Ether	3.816	74	212091	44.404	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.193	101	297480	44.129	ug/l	95
10) Methyl Iodide	4.404	142	450982	48.305	ug/l	97
11) Tert butyl alcohol	5.399	59	463392	331.795	ug/l	100
12) 1,1-Dichloroethene	4.163	96	299964	45.672	ug/l	98
13) Acrolein	4.034	56	333791	267.463	ug/l	98
14) Allyl chloride	4.828	41	606979	48.458	ug/l #	86
15) Acrylonitrile	5.551	53	1261922	306.753	ug/l	98
16) Acetone	4.287	43	1028746	243.753	ug/l	92
17) Carbon Disulfide	4.510	76	801633	42.562	ug/l	97
18) Methyl Acetate	4.851	43	552012	59.853	ug/l	98
19) Methyl tert-butyl Ether	5.622	73	1162543	50.460	ug/l	97
20) Methylene Chloride	5.087	84	372031	48.503	ug/l	95
21) trans-1,2-Dichloroethene	5.593	96	325572	46.184	ug/l	96
22) Diisopropyl ether	6.498	45	1253461	52.175	ug/l	93
23) Vinyl Acetate	6.434	43	5547216	272.771	ug/l	100
24) 1,1-Dichloroethane	6.381	63	666639	49.501	ug/l	100
25) 2-Butanone	7.340	43	1699840	302.764	ug/l	98
26) 2,2-Dichloropropane	7.322	77	447380	39.971	ug/l	100
27) cis-1,2-Dichloroethene	7.322	96	388332	47.930	ug/l	95
28) Bromochloromethane	7.657	49	277545	50.918	ug/l	88
29) Tetrahydrofuran	7.687	42	1160701	319.127	ug/l	95
30) Chloroform	7.816	83	651961	49.221	ug/l	98
31) Cyclohexane	8.087	56	609906	46.018	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	559611	48.923	ug/l	99
36) 1,1-Dichloropropene	8.216	75	480091	44.719	ug/l	98
37) Ethyl Acetate	7.416	43	680615	59.114	ug/l	99
38) Carbon Tetrachloride	8.204	117	480816	45.455	ug/l	100
39) Methylcyclohexane	9.457	83	583099	42.210	ug/l	96
40) Benzene	8.457	78	1484718	46.754	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	309451	51.031	ug/l	96
42) 1,2-Dichloroethane	8.528	62	522313	48.293	ug/l	98
43) Isopropyl Acetate	8.563	43	978360	53.910	ug/l	99
44) Trichloroethene	9.210	130	363611	43.483	ug/l	100
45) 1,2-Dichloropropane	9.486	63	391653	48.147	ug/l	99
46) Dibromomethane	9.575	93	257399	48.083	ug/l	99
47) Bromodichloromethane	9.757	83	516126	47.705	ug/l	99
48) Methyl methacrylate	9.557	41	452429	52.669	ug/l #	90
49) 1,4-Dioxane	9.569	88	203382	1333.041	ug/l	91
51) 4-Methyl-2-Pentanone	10.328	43	3365336	304.784	ug/l	97
52) Toluene	10.504	92	952752	47.746	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	562944	47.852	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	607335	47.009	ug/l	94
55) 1,1,2-Trichloroethane	10.898	97	379727	48.616	ug/l	99
56) Ethyl methacrylate	10.757	69	646491	54.934	ug/l #	92
57) 1,3-Dichloropropane	11.039	76	671499	49.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	701886	265.818	ug/l	97
59) 2-Hexanone	11.080	43	2463588	324.414	ug/l	97
60) Dibromochloromethane	11.233	129	400788	48.553	ug/l	99
61) 1,2-Dibromoethane	11.345	107	397552	50.040	ug/l	100
64) Tetrachloroethene	10.975	164	319981	39.537	ug/l	98
65) Chlorobenzene	11.769	112	1009082	45.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	380681	46.637	ug/l	99
67) Ethyl Benzene	11.839	91	1800810	45.948	ug/l	99
68) m/p-Xylenes	11.951	106	1384932	91.482	ug/l	99
69) o-Xylene	12.275	106	693568	46.899	ug/l	100
70) Styrene	12.292	104	1123055	47.759	ug/l	98
71) Bromoform	12.457	173	315938	48.599	ug/l #	99
73) Isopropylbenzene	12.575	105	1770666	51.228	ug/l	99
74) N-amyl acetate	12.386	43	708824	64.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.827	83	615538	56.041	ug/l	98
76) 1,2,3-Trichloropropane	12.880	75	493562m	48.816	ug/l	
77) Bromobenzene	12.857	156	426457	50.400	ug/l	85
78) n-propylbenzene	12.916	91	1942684	50.024	ug/l	99
79) 2-Chlorotoluene	13.004	91	1204232	51.062	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1414340	50.508	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.622	75	172830	55.392	ug/l	90
82) 4-Chlorotoluene	13.104	91	1120598	48.949	ug/l	97
83) tert-Butylbenzene	13.322	119	1277929	48.120	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1387331	50.329	ug/l	100
85) sec-Butylbenzene	13.498	105	1725098	49.298	ug/l	99
86) p-Isopropyltoluene	13.616	119	1396718	48.621	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	696587	46.506	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	669798	45.641	ug/l	99
89) n-Butylbenzene	13.939	91	1042561	44.483	ug/l	96
90) Hexachloroethane	14.210	117	264387	51.535	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	673768	47.903	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	112995	63.495	ug/l	93
93) 1,2,4-Trichlorobenzene	15.263	180	345617	43.968	ug/l	99
94) Hexachlorobutadiene	15.368	225	186151	36.293	ug/l	100
95) Naphthalene	15.504	128	1080019	55.632	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	350758	48.221	ug/l	99

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

