

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071626.D
 Acq On : 29 Mar 2022 11:20
 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 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 06:02:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 09:32:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.075	168	604572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	936025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	856618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	363854	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	351361	48.471	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.940%
35) Dibromofluoromethane	8.016	113	287008	49.926	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.860%
50) Toluene-d8	10.433	98	1176228	49.604	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.721	95	394506	50.999	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	280455	47.354	ug/l	97
3) Chloromethane	2.299	50	310758	44.588	ug/l	99
4) Vinyl Chloride	2.446	62	357742	46.205	ug/l	98
5) Bromomethane	2.846	94	233082	51.235	ug/l	99
6) Chloroethane	3.010	64	237561	48.382	ug/l	99
7) Trichlorofluoromethane	3.375	101	452298	49.014	ug/l	98
8) Diethyl Ether	3.822	74	193262	50.333	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.216	101	278907	49.746	ug/l	98
10) Methyl Iodide	4.422	142	396848	47.989	ug/l	99
11) Tert butyl alcohol	5.357	59	270921	211.661	ug/l	99
12) 1,1-Dichloroethene	4.187	96	265219	48.873	ug/l	96
13) Acrolein	4.034	56	252756	236.661	ug/l	97
14) Allyl chloride	4.834	41	425346	49.106	ug/l	99
15) Acrylonitrile	5.540	53	835514	233.719	ug/l	99
16) Acetone	4.275	43	722241	241.691	ug/l	97
17) Carbon Disulfide	4.534	76	605400	44.793	ug/l	99
18) Methyl Acetate	4.845	43	363244	46.867	ug/l	100
19) Methyl tert-butyl Ether	5.604	73	995163	50.217	ug/l	95
20) Methylene Chloride	5.093	84	316555	47.925	ug/l	99
21) trans-1,2-Dichloroethene	5.598	96	287405	49.520	ug/l	97
22) Diisopropyl ether	6.487	45	936378	50.572	ug/l	99
23) Vinyl Acetate	6.428	43	4026516	257.771	ug/l	100
24) 1,1-Dichloroethane	6.381	63	550010	49.881	ug/l	99
25) 2-Butanone	7.322	43	1078563	231.872	ug/l	99
26) 2,2-Dichloropropane	7.322	77	483575	51.027	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	355909	49.898	ug/l	98
28) Bromochloromethane	7.651	49	191293	42.948	ug/l	97
29) Tetrahydrofuran	7.675	42	697319	230.935	ug/l	99
30) Chloroform	7.810	83	573329	50.733	ug/l	98
31) Cyclohexane	8.092	56	472480	46.673	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	494448	50.444	ug/l	99
36) 1,1-Dichloropropene	8.216	75	413514	50.037	ug/l	99
37) Ethyl Acetate	7.404	43	442331	48.950	ug/l	98
38) Carbon Tetrachloride	8.198	117	418225	51.067	ug/l	99
39) Methylcyclohexane	9.451	83	517994	50.678	ug/l	98
40) Benzene	8.457	78	1283346	50.580	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	225808	51.378	ug/l	92
42) 1,2-Dichloroethane	8.522	62	442745	50.485	ug/l	99
43) Isopropyl Acetate	8.551	43	686155	46.470	ug/l	99
44) Trichloroethene	9.210	130	338091	50.696	ug/l	100
45) 1,2-Dichloropropane	9.480	63	322055	51.523	ug/l	100
46) Dibromomethane	9.569	93	217842	50.923	ug/l	99
47) Bromodichloromethane	9.757	83	448915	53.260	ug/l	98
48) Methyl methacrylate	9.551	41	329453	50.621	ug/l	100
49) 1,4-Dioxane	9.563	88	132956	927.867	ug/l	99
51) 4-Methyl-2-Pentanone	10.322	43	2176622	245.661	ug/l	100
52) Toluene	10.498	92	839527	51.451	ug/l	100
53) t-1,3-Dichloropropene	10.710	75	494196	53.934	ug/l	97
54) cis-1,3-Dichloropropene	10.180	75	535908	53.757	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	335666	51.084	ug/l	98
56) Ethyl methacrylate	10.757	69	519446	52.903	ug/l	98
57) 1,3-Dichloropropane	11.039	76	566108	51.608	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	512286	175.820	ug/l	100
59) 2-Hexanone	11.080	43	1554117	245.184	ug/l	100
60) Dibromochloromethane	11.233	129	353412	53.635	ug/l	99
61) 1,2-Dibromoethane	11.339	107	342342	51.463	ug/l	99
64) Tetrachloroethene	10.974	164	294884	49.740	ug/l	98
65) Chlorobenzene	11.763	112	914702	51.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	336952	52.527	ug/l	99
67) Ethyl Benzene	11.839	91	1620439	52.508	ug/l	100
68) m/p-Xylenes	11.945	106	1263222	107.750	ug/l	100
69) o-Xylene	12.274	106	622408	52.839	ug/l	100
70) Styrene	12.286	104	1007650	56.032	ug/l	99
71) Bromoform	12.451	173	267347	52.954	ug/l #	100
73) Isopropylbenzene	12.574	105	1612010	50.651	ug/l	100
74) N-amyl acetate	12.380	43	478056	49.476	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.821	83	490299	46.024	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	407802m	46.678	ug/l	
77) Bromobenzene	12.857	156	386939	48.348	ug/l	98
78) n-propylbenzene	12.916	91	1764922	51.435	ug/l	100
79) 2-Chlorotoluene	12.998	91	1065985	49.608	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	1303984	51.900	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	146331	48.345	ug/l	98
82) 4-Chlorotoluene	13.098	91	1026120	51.196	ug/l	100
83) tert-Butylbenzene	13.315	119	1198185	51.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1271268	51.663	ug/l	100
85) sec-Butylbenzene	13.492	105	1576944	51.764	ug/l	99
86) p-Isopropyltoluene	13.610	119	1300408	53.724	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	657011	50.847	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	624191	48.664	ug/l	98
89) n-Butylbenzene	13.933	91	976044	53.364	ug/l	99
90) Hexachloroethane	14.204	117	231251	50.878	ug/l	98
91) 1,2-Dichlorobenzene	13.980	146	616863	48.732	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	82310	44.694	ug/l	99
93) 1,2,4-Trichlorobenzene	15.257	180	288255	51.561	ug/l	99
94) Hexachlorobutadiene	15.362	225	180070	51.114	ug/l	99
95) Naphthalene	15.498	128	764253	43.122	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	277434	49.559	ug/l	99

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

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