

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073938.D
 Acq On : 16 Aug 2022 10:27
 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 08/17/2022
 Supervised By : Mahesh Dadoda 08/17/2022

Quant Time: Aug 17 01:08:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	623082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	890649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	808959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	423719	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	300821	49.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.140%
35) Dibromofluoromethane	7.945	113	270983	51.447	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.900%
50) Toluene-d8	10.380	98	1047382	51.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.668	95	360024	53.178	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.360%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	244242	49.436	ug/l	97
3) Chloromethane	2.269	50	252252	45.914	ug/l	100
4) Vinyl Chloride	2.404	62	327218	46.394	ug/l	99
5) Bromomethane	2.793	94	192171	43.632	ug/l	95
6) Chloroethane	2.957	64	220248	44.203	ug/l	98
7) Trichlorofluoromethane	3.316	101	429074	47.160	ug/l	99
8) Diethyl Ether	3.763	74	155560	46.059	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.140	101	251204	47.529	ug/l	93
10) Methyl Iodide	4.351	142	316701	49.911	ug/l	98
11) Tert butyl alcohol	5.281	59	318840	234.874	ug/l	100
12) 1,1-Dichloroethene	4.110	96	231854	47.148	ug/l	90
13) Acrolein	3.975	56	270096	284.255	ug/l	99
14) Allyl chloride	4.757	41	341515	46.892	ug/l	96
15) Acrylonitrile	5.469	53	795312	239.970	ug/l	100
16) Acetone	4.216	43	652931	228.044	ug/l	98
17) Carbon Disulfide	4.457	76	537374	45.958	ug/l	97
18) Methyl Acetate	4.775	43	373405	52.299	ug/l	98
19) Methyl tert-butyl Ether	5.528	73	836552	47.234	ug/l	97
20) Methylene Chloride	5.016	84	269225	44.561	ug/l	94
21) trans-1,2-Dichloroethene	5.504	96	248297	45.830	ug/l	93
22) Diisopropyl ether	6.410	45	760162	49.228	ug/l	98
23) Vinyl Acetate	6.345	43	3326519	251.384	ug/l	98
24) 1,1-Dichloroethane	6.304	63	455309	47.370	ug/l	98
25) 2-Butanone	7.257	43	1087953	239.644	ug/l	99
26) 2,2-Dichloropropane	7.245	77	409735	45.372	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	313167	46.851	ug/l	94
28) Bromochloromethane	7.581	49	175778	49.584	ug/l	89
29) Tetrahydrofuran	7.604	42	701683	240.943	ug/l	95
30) Chloroform	7.745	83	506903	47.163	ug/l	99
31) Cyclohexane	8.022	56	399128	47.178	ug/l	96
32) 1,1,1-Trichloroethane	7.939	97	452812	47.508	ug/l	97
36) 1,1-Dichloropropene	8.151	75	357472	48.862	ug/l	98
37) Ethyl Acetate	7.333	43	427984	48.288	ug/l	98
38) Carbon Tetrachloride	8.133	117	401735	48.041	ug/l	99
39) Methylcyclohexane	9.392	83	471581	51.443	ug/l	96
40) Benzene	8.386	78	1114093	48.249	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	197266	49.250	ug/l	99
42) 1,2-Dichloroethane	8.463	62	379982	47.860	ug/l	98
43) Isopropyl Acetate	8.492	43	636790	50.433	ug/l	99
44) Trichloroethene	9.151	130	313910	47.069	ug/l	96
45) 1,2-Dichloropropane	9.427	63	267486	48.331	ug/l	100
46) Dibromomethane	9.510	93	203602	48.387	ug/l	93
47) Bromodichloromethane	9.698	83	390935	48.609	ug/l	97
48) Methyl methacrylate	9.492	41	276066	51.098	ug/l	89
49) 1,4-Dioxane	9.504	88	158138	984.278	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	2137314	250.367	ug/l	99
52) Toluene	10.445	92	740873	46.792	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	426232	50.506	ug/l	98
54) cis-1,3-Dichloropropene	10.127	75	458994	49.709	ug/l	98
55) 1,1,2-Trichloroethane	10.839	97	300199	48.741	ug/l	96
56) Ethyl methacrylate	10.698	69	468290	53.309	ug/l	96
57) 1,3-Dichloropropane	10.986	76	490935	49.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	1095498	267.204	ug/l	96
59) 2-Hexanone	11.022	43	1662936	253.113	ug/l	100
60) Dibromochloromethane	11.180	129	335560	49.266	ug/l	100
61) 1,2-Dibromoethane	11.286	107	320571	48.662	ug/l	99
64) Tetrachloroethene	10.916	164	298621	46.770	ug/l	98
65) Chlorobenzene	11.710	112	824811	47.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	316779	48.658	ug/l	98
67) Ethyl Benzene	11.786	91	1419419	49.645	ug/l	97
68) m/p-Xylenes	11.892	106	1137649	97.929	ug/l	98
69) o-Xylene	12.221	106	560904	48.148	ug/l	96
70) Styrene	12.233	104	922435	50.576	ug/l	98
71) Bromoform	12.398	173	274608	47.244	ug/l #	99
73) Isopropylbenzene	12.521	105	1462031	47.386	ug/l	99
74) N-amyl acetate	12.327	43	532614	45.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	466938	45.098	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	396761m	45.051	ug/l	
77) Bromobenzene	12.798	156	384154	45.998	ug/l	91
78) n-propylbenzene	12.863	91	1628817	49.525	ug/l	98
79) 2-Chlorotoluene	12.951	91	972865	47.467	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	1239738	49.400	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	152184	49.147	ug/l	96
82) 4-Chlorotoluene	13.045	91	950162	48.811	ug/l	96
83) tert-Butylbenzene	13.263	119	1107666	47.964	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	1225124	48.885	ug/l	99
85) sec-Butylbenzene	13.439	105	1527713	51.034	ug/l	98
86) p-Isopropyltoluene	13.557	119	1326320	52.008	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	689168	47.584	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	686083	46.743	ug/l	99
89) n-Butylbenzene	13.880	91	1041051	51.538	ug/l	99
90) Hexachloroethane	14.151	117	223937	48.039	ug/l	90
91) 1,2-Dichlorobenzene	13.927	146	690312	46.156	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.545	75	106782	43.680	ug/l	84
93) 1,2,4-Trichlorobenzene	15.198	180	448754	49.300	ug/l	99
94) Hexachlorobutadiene	15.304	225	231989	48.348	ug/l	98
95) Naphthalene	15.433	128	1445895	48.723	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	458720	48.756	ug/l	98

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

