

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074704.D
 Acq On : 01 Oct 2022 10:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/03/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 03 02:14:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.939	168	336247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	585379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	645058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	422758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	402245	47.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.460%		
35) Dibromofluoromethane	7.863	113	296259	47.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.620%		
50) Toluene-d8	10.310	98	1225891	47.037	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.080%		
62) 4-Bromofluorobenzene	12.604	95	401931	48.636	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.999	85	298923	42.465	ug/l	96
3) Chloromethane	2.216	50	464961	45.151	ug/l	98
4) Vinyl Chloride	2.352	62	741605	49.594	ug/l	100
5) Bromomethane	2.722	94	587375	56.862	ug/l	98
6) Chloroethane	2.887	64	600263	52.237	ug/l	95
7) Trichlorofluoromethane	3.240	101	448969	43.181	ug/l	97
8) Diethyl Ether	3.675	74	196036	45.286	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.051	101	250806	40.479	ug/l	91
10) Methyl Iodide	4.251	142	329129	44.705	ug/l	93
11) Tert butyl alcohol	5.169	59	477367	212.110	ug/l	100
12) 1,1-Dichloroethene	4.016	96	251613	40.065	ug/l	97
13) Acrolein	3.887	56	202969	220.748	ug/l	99
14) Allyl chloride	4.651	41	539423	39.766	ug/l	95
15) Acrylonitrile	5.357	53	1198312	225.649	ug/l	99
16) Acetone	4.128	43	1007360	250.419	ug/l	96
17) Carbon Disulfide	4.363	76	731848	39.932	ug/l	98
18) Methyl Acetate	4.669	43	718164	46.126	ug/l #	90
19) Methyl tert-butyl Ether	5.422	73	1050496	43.828	ug/l	96
20) Methylene Chloride	4.898	84	326751	45.324	ug/l #	73
21) trans-1,2-Dichloroethene	5.404	96	287742	41.942	ug/l	99
22) Diisopropyl ether	6.298	45	1231986	44.644	ug/l #	90
23) Vinyl Acetate	6.239	43	5455559	224.933	ug/l #	91
24) 1,1-Dichloroethane	6.198	63	619564	43.998	ug/l	98
25) 2-Butanone	7.163	43	1789051	230.645	ug/l	89
26) 2,2-Dichloropropane	7.151	77	287733	24.027	ug/l	98
27) cis-1,2-Dichloroethene	7.151	96	338018	40.281	ug/l	94
28) Bromochloromethane	7.492	49	319016	49.740	ug/l #	69
29) Tetrahydrofuran	7.516	42	1242223	242.717	ug/l #	85
30) Chloroform	7.657	83	600963	46.308	ug/l	97
31) Cyclohexane	7.933	56	565596	41.311	ug/l	93
32) 1,1,1-Trichloroethane	7.851	97	510052	44.787	ug/l	96
36) 1,1-Dichloropropene	8.063	75	448449	45.194	ug/l	95
37) Ethyl Acetate	7.239	43	702178	47.894	ug/l #	93
38) Carbon Tetrachloride	8.045	117	432836	47.613	ug/l	96
39) Methylcyclohexane	9.322	83	549442	44.353	ug/l	98
40) Benzene	8.310	78	1440854	47.112	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.475	41	337410m	52.539	ug/l	
42) 1,2-Dichloroethane	8.381	62	496672	48.340	ug/l	98
43) Isopropyl Acetate	8.416	43	1116366	47.553	ug/l #	91
44) Trichloroethene	9.075	130	305589	47.960	ug/l	89
45) 1,2-Dichloropropane	9.351	63	379246	45.550	ug/l	96
46) Dibromomethane	9.439	93	242765	46.259	ug/l #	87
47) Bromodichloromethane	9.627	83	483956	47.185	ug/l	96
48) Methyl methacrylate	9.428	41	468503	48.427	ug/l	88
49) 1,4-Dioxane	9.433	88	176789	958.025	ug/l #	93
51) 4-Methyl-2-Pentanone	10.204	43	3771633	253.891	ug/l	88
52) Toluene	10.374	92	889656	48.176	ug/l	98
53) t-1,3-Dichloropropene	10.592	75	515664	44.353	ug/l	100
54) cis-1,3-Dichloropropene	10.063	75	529733	41.355	ug/l #	87
55) 1,1,2-Trichloroethane	10.774	97	356460	47.897	ug/l	97
56) Ethyl methacrylate	10.639	69	635012	49.464	ug/l #	82
57) 1,3-Dichloropropane	10.922	76	632187	47.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.910	63	1233846	235.406	ug/l	90
59) 2-Hexanone	10.963	43	2907009	258.936	ug/l	87
60) Dibromochloromethane	11.110	129	361669	50.513	ug/l	98
61) 1,2-Dibromoethane	11.216	107	365321	50.093	ug/l	98
64) Tetrachloroethene	10.851	164	240798	44.155	ug/l	96
65) Chlorobenzene	11.645	112	902472	46.758	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.716	131	334820	48.624	ug/l	98
67) Ethyl Benzene	11.721	91	1733094	47.991	ug/l	98
68) m/p-Xylenes	11.827	106	1333472	97.514	ug/l	98
69) o-Xylene	12.157	106	658869	47.933	ug/l	97
70) Styrene	12.169	104	1086771	49.573	ug/l	98
71) Bromoform	12.333	173	279389	50.601	ug/l #	97
73) Isopropylbenzene	12.457	105	1696963	42.850	ug/l	99
74) N-amyl acetate	12.263	43	1009788	48.616	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.704	83	637301	50.465	ug/l	98
76) 1,2,3-Trichloropropane	12.757	75	446364m	47.164	ug/l	
77) Bromobenzene	12.733	156	366886	50.313	ug/l	83
78) n-propylbenzene	12.798	91	2023759	44.302	ug/l	95
79) 2-Chlorotoluene	12.880	91	1188890	43.310	ug/l	97
80) 1,3,5-Trimethylbenzene	12.933	105	1462510	46.279	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.504	75	176456	34.880	ug/l	94
82) 4-Chlorotoluene	12.980	91	1149433	44.994	ug/l	100
83) tert-Butylbenzene	13.198	119	1273186	45.110	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	1479584	46.883	ug/l	96
85) sec-Butylbenzene	13.374	105	1828937	46.113	ug/l	96
86) p-Isopropyltoluene	13.492	119	1466151	46.661	ug/l	97
87) 1,3-Dichlorobenzene	13.486	146	705473	45.828	ug/l	99
88) 1,4-Dichlorobenzene	13.568	146	692341	44.005	ug/l	98
89) n-Butylbenzene	13.815	91	1218925	43.971	ug/l	95
90) Hexachloroethane	14.080	117	286888	42.431	ug/l	78
91) 1,2-Dichlorobenzene	13.863	146	731340	45.525	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.474	75	132339	43.589	ug/l	87
93) 1,2,4-Trichlorobenzene	15.127	180	321994	44.865	ug/l	98
94) Hexachlorobutadiene	15.227	225	137641	45.855	ug/l	96
95) Naphthalene	15.362	128	1265563	45.069	ug/l	99
96) 1,2,3-Trichlorobenzene	15.557	180	323256	45.244	ug/l	98

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

