

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122821\
 Data File : VN070324.D
 Acq On : 28 Dec 2021 10:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/29/2021
 Supervised By : Mahesh Dadoda 12/30/2021

Quant Time: Dec 28 17:18:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1148203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1839357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1701816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	750685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	690988	41.855	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.720%		
35) Dibromofluoromethane	8.021	113	498139	44.760	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.520%		
50) Toluene-d8	10.440	98	1994402	43.868	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.740%		
62) 4-Bromofluorobenzene	12.728	95	740451	45.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	649094	49.849	ug/l	100
3) Chloromethane	2.303	50	821477	46.377	ug/l	100
4) Vinyl Chloride	2.448	62	766334	47.519	ug/l	98
5) Bromomethane	2.850	94	420225	50.485	ug/l	99
6) Chloroethane	3.019	64	453108	46.655	ug/l	98
7) Trichlorofluoromethane	3.379	101	915462	47.163	ug/l	98
8) Diethyl Ether	3.824	74	406654	47.524	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.210	101	581292	48.962	ug/l	96
10) Methyl Iodide	4.419	142	781500	48.640	ug/l	99
11) Tert butyl alcohol	5.374	59	603898	219.693	ug/l	98
12) 1,1-Dichloroethene	4.183	96	560934	47.968	ug/l	93
13) Acrolein	4.038	56	511676	229.414	ug/l	99
14) Allyl chloride	4.840	41	1288326	48.592	ug/l	89
15) Acrylonitrile	5.554	53	2026642	236.266	ug/l	99
16) Acetone	4.282	43	2599859	242.595	ug/l	100
17) Carbon Disulfide	4.529	76	1645693	51.556	ug/l	99
18) Methyl Acetate	4.854	43	1407434	45.400	ug/l	91
19) Methyl tert-butyl Ether	5.615	73	2076519	47.816	ug/l	95
20) Methylene Chloride	5.092	84	679323	45.815	ug/l	87
21) trans-1,2-Dichloroethene	5.599	96	603571	48.748	ug/l	89
22) Diisopropyl ether	6.495	45	2501776	48.446	ug/l	93
23) Vinyl Acetate	6.433	43	9909492	247.327	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1277012	47.692	ug/l	98
25) 2-Butanone	7.335	43	3200480	237.180	ug/l	91
26) 2,2-Dichloropropane	7.324	77	1034926	48.994	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	711826	48.182	ug/l	86
28) Bromochloromethane	7.656	49	578910	44.209	ug/l #	78
29) Tetrahydrofuran	7.683	42	1884068	234.019	ug/l	88
30) Chloroform	7.817	83	1225477	47.441	ug/l	100
31) Cyclohexane	8.094	56	1244212	47.759	ug/l	86
32) 1,1,1-Trichloroethane	8.013	97	1059658	48.651	ug/l	97
36) 1,1-Dichloropropene	8.220	75	929838	50.506	ug/l	96
37) Ethyl Acetate	7.412	43	1153894	48.354	ug/l	97
38) Carbon Tetrachloride	8.206	117	905758	51.523	ug/l	100
39) Methylcyclohexane	9.456	83	1161791	52.125	ug/l	89
40) Benzene	8.458	78	2799091	49.592	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	609223	51.040	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	1030488	48.573	ug/l	98
43) Isopropyl Acetate	8.560	43	1835494	48.785	ug/l #	95
44) Trichloroethene	9.215	130	664099	49.518	ug/l	92
45) 1,2-Dichloropropane	9.488	63	764492	50.306	ug/l	99
46) Dibromomethane	9.577	93	468638	49.593	ug/l	94
47) Bromodichloromethane	9.759	83	989630	52.742	ug/l	100
48) Methyl methacrylate	9.558	41	930772	51.864	ug/l #	78
49) 1,4-Dioxane	9.569	88	252397	960.775	ug/l #	80
51) 4-Methyl-2-Pentanone	10.328	43	5796264	245.173	ug/l	97
52) Toluene	10.505	92	1717894	50.284	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	1083935	53.362	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1177261	53.576	ug/l	94
55) 1,1,2-Trichloroethane	10.896	97	671308	49.663	ug/l	98
56) Ethyl methacrylate	10.759	69	1144120	51.225	ug/l	90
57) 1,3-Dichloropropane	11.044	76	1185495	49.585	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1161339	207.001	ug/l	91
59) 2-Hexanone	11.084	43	4366639	253.278	ug/l	95
60) Dibromochloromethane	11.237	129	711065	53.915	ug/l	99
61) 1,2-Dibromoethane	11.344	107	684148	49.846	ug/l	100
64) Tetrachloroethene	10.977	164	603455	48.968	ug/l	96
65) Chlorobenzene	11.768	112	1800550	49.864	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.838	131	657925	51.039	ug/l	99
67) Ethyl Benzene	11.843	91	3399087	51.377	ug/l	96
68) m/p-Xylenes	11.953	106	2508865	104.178	ug/l	93
69) o-Xylene	12.277	106	1241214	51.817	ug/l	92
70) Styrene	12.294	104	2056966	54.256	ug/l	96
71) Bromoform	12.457	173	539110	56.351	ug/l #	100
73) Isopropylbenzene	12.578	105	3267221	46.867	ug/l	98
74) N-amyl acetate	12.387	43	1364777	46.561	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	1028972	44.534	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	916293m	41.709	ug/l	
77) Bromobenzene	12.859	156	741530	46.332	ug/l	78
78) n-propylbenzene	12.918	91	3833439	49.630	ug/l	96
79) 2-Chlorotoluene	13.007	91	2310027	46.611	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2696614	48.271	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.623	75	320202	52.114	ug/l	95
82) 4-Chlorotoluene	13.104	91	2253293	48.538	ug/l	92
83) tert-Butylbenzene	13.323	119	2319825	47.160	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	2614577	48.604	ug/l	99
85) sec-Butylbenzene	13.500	105	3312587	49.602	ug/l	97
86) p-Isopropyltoluene	13.613	119	2670460	50.904	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1307176	48.789	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1267936	47.976	ug/l	97
89) n-Butylbenzene	13.940	91	2259525	51.637	ug/l	97
90) Hexachloroethane	14.208	117	491127	53.889	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	1239584	47.194	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	191500	47.420	ug/l	80
93) 1,2,4-Trichlorobenzene	15.262	180	623879	50.411	ug/l	99
94) Hexachlorobutadiene	15.367	225	364526	50.681	ug/l	99
95) Naphthalene	15.507	128	1616828	47.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	589058	49.765	ug/l	98

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

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