

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069580.D
 Acq On : 19 Nov 2021 4:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/19/2021
 Supervised By : Semsettin Yesilyurt 11/19/2021

Quant Time: Nov 19 05:16:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 19 04:51:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1041655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1780103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1696972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	722503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	785299	51.995	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.980%			
35) Dibromofluoromethane	8.021	113	555524	52.033	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.060%			
50) Toluene-d8	10.443	98	2155406	51.332	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.731	95	812426	52.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	450166	40.451	ug/l	99
3) Chloromethane	2.303	50	516329	40.007	ug/l	99
4) Vinyl Chloride	2.445	62	523623	40.520	ug/l	98
5) Bromomethane	2.829	94	392593	46.778	ug/l	98
6) Chloroethane	3.003	64	345172	39.573	ug/l	98
7) Trichlorofluoromethane	3.368	101	786210	39.365	ug/l	98
8) Diethyl Ether	3.824	74	300232	46.463	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.202	101	421654	44.819	ug/l	95
10) Methyl Iodide	4.414	142	536458	46.490	ug/l	98
11) Tert butyl alcohol	5.385	59	691234	253.983	ug/l	97
12) 1,1-Dichloroethene	4.173	96	373080	44.190	ug/l	91
13) Acrolein	4.036	56	128034	299.446	ug/l	96
14) Allyl chloride	4.838	41	843059	45.166	ug/l	94
15) Acrylonitrile	5.556	53	1814614	260.365	ug/l	99
16) Acetone	4.288	43	1693615	207.832	ug/l	96
17) Carbon Disulfide	4.524	76	693237	34.737	ug/l	98
18) Methyl Acetate	4.856	43	1332843	50.316	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	1769774	49.532	ug/l	97
20) Methylene Chloride	5.095	84	515462	44.608	ug/l #	85
21) trans-1,2-Dichloroethene	5.594	96	413535	43.854	ug/l	86
22) Diisopropyl ether	6.498	45	1993918	49.590	ug/l	94
23) Vinyl Acetate	6.436	43	7798011	250.752	ug/l	96
24) 1,1-Dichloroethane	6.385	63	969797	47.354	ug/l	98
25) 2-Butanone	7.337	43	2759433	250.077	ug/l	92
26) 2,2-Dichloropropane	7.327	77	543312	33.907	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	552160	47.235	ug/l	90
28) Bromochloromethane	7.656	49	511432	48.764	ug/l #	81
29) Tetrahydrofuran	7.686	42	1781903	263.147	ug/l	90
30) Chloroform	7.820	83	1019560	48.561	ug/l	100
31) Cyclohexane	8.094	56	837739	40.600	ug/l	90
32) 1,1,1-Trichloroethane	8.016	97	842005	48.046	ug/l	96
36) 1,1-Dichloropropene	8.222	75	667713	44.578	ug/l	97
37) Ethyl Acetate	7.415	43	1042867	51.506	ug/l	96
38) Carbon Tetrachloride	8.206	117	673567	46.579	ug/l	100
39) Methylcyclohexane	9.461	83	777092	41.705	ug/l	92
40) Benzene	8.461	78	2127140	46.009	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	545204	52.112	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	886266	48.957	ug/l	97
43) Isopropyl Acetate	8.563	43	1711614	52.629	ug/l #	93
44) Trichloroethene	9.217	130	500276	45.213	ug/l	93
45) 1,2-Dichloropropane	9.491	63	608815	49.288	ug/l	99
46) Dibromomethane	9.577	93	394351	47.664	ug/l	93
47) Bromodichloromethane	9.762	83	772696	50.048	ug/l	99
48) Methyl methacrylate	9.561	41	761382	49.760	ug/l	92
49) 1,4-Dioxane	9.571	88	287346	1052.952	ug/l	86
51) 4-Methyl-2-Pentanone	10.333	43	5736618	273.275	ug/l	96
52) Toluene	10.507	92	1357811	47.142	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	780052	48.345	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	839390	47.673	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	585134	50.397	ug/l	98
56) Ethyl methacrylate	10.762	69	1008740	52.475	ug/l	87
57) 1,3-Dichloropropane	11.046	76	1013083	49.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1201551	269.753	ug/l	92
59) 2-Hexanone	11.087	43	4170304	266.570	ug/l	93
60) Dibromochloromethane	11.240	129	562239	51.742	ug/l	99
61) 1,2-Dibromoethane	11.347	107	594146	50.536	ug/l	99
64) Tetrachloroethene	10.977	164	442302	43.166	ug/l	94
65) Chlorobenzene	11.771	112	1503758	47.608	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	558966	51.020	ug/l	99
67) Ethyl Benzene	11.846	91	2749009	47.189	ug/l	96
68) m/p-Xylenes	11.953	106	2018298	94.200	ug/l	94
69) o-Xylene	12.280	106	1030888	48.263	ug/l	94
70) Styrene	12.294	104	1699370	49.523	ug/l	96
71) Bromoform	12.460	173	409015	52.322	ug/l #	99
73) Isopropylbenzene	12.578	105	2724701	47.364	ug/l	98
74) N-amyl acetate	12.387	43	1288548	52.854	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	970933	50.043	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	854756m	51.264	ug/l	
77) Bromobenzene	12.859	156	634517	48.229	ug/l	80
78) n-propylbenzene	12.921	91	3064392	47.341	ug/l	96
79) 2-Chlorotoluene	13.007	91	1903540	47.495	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	2232949	48.015	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	225264	45.333	ug/l	92
82) 4-Chlorotoluene	13.104	91	1822866	47.711	ug/l	93
83) tert-Butylbenzene	13.323	119	2011016	49.346	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	2208079	49.182	ug/l	97
85) sec-Butylbenzene	13.503	105	2754031	48.376	ug/l	98
86) p-Isopropyltoluene	13.616	119	2182059	48.283	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1068768	46.856	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	1016109	45.409	ug/l	97
89) n-Butylbenzene	13.943	91	1722602	45.708	ug/l	97
90) Hexachloroethane	14.211	117	378258	51.042	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	1047933	48.281	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	171562	54.726	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	457967	47.884	ug/l	98
94) Hexachlorobutadiene	15.370	225	269682	47.819	ug/l	97
95) Naphthalene	15.507	128	1316814	51.350	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	464808	50.754	ug/l	98

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

