

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
 Data File : VN069416.D
 Acq On : 9 Nov 2021 10:56
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 09 13:45:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 13:40:38 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2021
 Supervised By : Semsettin Yesilyurt 11/17/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	942826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1640316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1493820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	638354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	305063	28.856	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	57.720%#		
35) Dibromofluoromethane	8.024	113	208982	23.711	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	47.420%#		
50) Toluene-d8	10.443	98	811897	23.410	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	46.820%#		
62) 4-Bromofluorobenzene	12.731	95	269804	22.166	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	44.340%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	226362	26.812	ug/l	98
3) Chloromethane	2.303	50	252551	28.014	ug/l	99
4) Vinyl Chloride	2.448	62	253610	24.209	ug/l	99
5) Bromomethane	2.864	94	170175	20.181	ug/l	99
6) Chloroethane	3.022	64	172024	23.974	ug/l	100
7) Trichlorofluoromethane	3.379	101	402082	21.546	ug/l	98
8) Diethyl Ether	3.824	74	124346	26.366	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.207	101	183503	24.940	ug/l	93
10) Methyl Iodide	4.419	142	218542	23.608	ug/l	96
11) Tert butyl alcohol	5.379	59	256636	136.099	ug/l #	84
12) 1,1-Dichloroethene	4.181	96	167228	24.642	ug/l	92
13) Acrolein	4.046	56	33487	96.188	ug/l	99
14) Allyl chloride	4.840	41	358801	28.587	ug/l	96
15) Acrylonitrile	5.559	53	691307	144.008	ug/l	99
16) Acetone	4.291	43	810772	150.826	ug/l	96
17) Carbon Disulfide	4.529	76	362879	23.556	ug/l	96
18) Methyl Acetate	4.859	43	517148	28.841	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	704100	26.262	ug/l	98
20) Methylene Chloride	5.092	84	216631	23.875	ug/l #	87
21) trans-1,2-Dichloroethene	5.599	96	181629	24.288	ug/l	89
22) Diisopropyl ether	6.500	45	801501	29.899	ug/l	94
23) Vinyl Acetate	6.436	43	3073869	148.715	ug/l	95
24) 1,1-Dichloroethane	6.388	63	403127	27.335	ug/l	99
25) 2-Butanone	7.340	43	1097406	154.009	ug/l	92
26) 2,2-Dichloropropane	7.327	77	309684	25.043	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	224668	24.189	ug/l	88
28) Bromochloromethane	7.659	49	170464	21.918	ug/l #	78
29) Tetrahydrofuran	7.689	42	687782	155.633	ug/l	90
30) Chloroform	7.820	83	413678	25.931	ug/l	99
31) Cyclohexane	8.094	56	391893	26.103	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	343540	25.070	ug/l	96
36) 1,1-Dichloropropene	8.225	75	288815	23.244	ug/l	96
37) Ethyl Acetate	7.415	43	408772	27.221	ug/l	94
38) Carbon Tetrachloride	8.209	117	276692	22.085	ug/l	98
39) Methylcyclohexane	9.461	83	344693	22.054	ug/l	92
40) Benzene	8.461	78	903557	23.629	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	206846	28.602	ug/l	86
42) 1,2-Dichloroethane	8.531	62	357505	25.155	ug/l	97
43) Isopropyl Acetate	8.563	43	642076	27.462	ug/l	93
44) Trichloroethene	9.217	130	213088	21.339	ug/l	90
45) 1,2-Dichloropropane	9.491	63	243289	24.618	ug/l	98
46) Dibromomethane	9.579	93	158979	23.068	ug/l	91
47) Bromodichloromethane	9.762	83	301440	23.964	ug/l	99
48) Methyl methacrylate	9.561	41	310779	29.417	ug/l	83
49) 1,4-Dioxane	9.571	88	107279	467.456	ug/l	92
51) 4-Methyl-2-Pentanone	10.333	43	2124811	139.996	ug/l	94
52) Toluene	10.507	92	557662	22.775	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	301672	23.174	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	333556	23.367	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	228550	23.074	ug/l	98
56) Ethyl methacrylate	10.762	69	365695	24.390	ug/l	86
57) 1,3-Dichloropropane	11.046	76	397728	23.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.043	63	388312	117.597	ug/l	92
59) 2-Hexanone	11.087	43	1522867	135.162	ug/l	94
60) Dibromochloromethane	11.240	129	205029	21.966	ug/l	99
61) 1,2-Dibromoethane	11.347	107	227685	22.611	ug/l	99
64) Tetrachloroethene	10.977	164	185577	20.186	ug/l	93
65) Chlorobenzene	11.771	112	585727	22.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	207728	22.195	ug/l	99
67) Ethyl Benzene	11.846	91	1096548	23.484	ug/l	95
68) m/p-Xylenes	11.953	106	799075	49.433	ug/l	93
69) o-Xylene	12.280	106	401230	22.793	ug/l	93
70) Styrene	12.296	104	631954	22.756	ug/l	96
71) Bromoform	12.457	173	134769	19.988	ug/l #	99
73) Isopropylbenzene	12.581	105	1059899	23.151	ug/l	98
74) N-amyl acetate	12.390	43	439619	26.945	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	355105	24.027	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	297801m	21.648	ug/l	
77) Bromobenzene	12.862	156	235505	20.822	ug/l	80
78) n-propylbenzene	12.921	91	1174526	23.604	ug/l	96
79) 2-Chlorotoluene	13.010	91	725273	23.527	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	859354	23.518	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	77864	22.310	ug/l	85
82) 4-Chlorotoluene	13.106	91	690546	23.646	ug/l	93
83) tert-Butylbenzene	13.323	119	753017	22.472	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	835367	23.623	ug/l	98
85) sec-Butylbenzene	13.503	105	1039911	23.249	ug/l	98
86) p-Isopropyltoluene	13.618	119	821102	22.631	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	404922	20.943	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	400278	20.902	ug/l	97
89) n-Butylbenzene	13.943	91	645671	22.742	ug/l	98
90) Hexachloroethane	14.211	117	131518	22.510	ug/l	81
91) 1,2-Dichlorobenzene	13.989	146	406957	21.450	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	61275	25.971	ug/l	79
93) 1,2,4-Trichlorobenzene	15.265	180	161184	18.639	ug/l	97
94) Hexachlorobutadiene	15.370	225	100951	18.779	ug/l	98
95) Naphthalene	15.507	128	436847	18.657	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	156681	18.410	ug/l	95

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

