

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076408.D
 Acq On : 25 Jan 2023 17:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/26/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

Quant Time: Jan 26 07:20:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	349996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	534092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	489791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	211058	53.857	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.720%			
35) Dibromofluoromethane	8.171	113	186444	55.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.620%			
50) Toluene-d8	10.571	98	650013	52.681	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.360%			
62) 4-Bromofluorobenzene	12.847	95	236036	58.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	170136	47.436	ug/l	98
3) Chloromethane	2.371	50	195099	52.538	ug/l	98
4) Vinyl Chloride	2.530	62	268987	59.074	ug/l	99
5) Bromomethane	2.948	94	192434	51.607	ug/l	97
6) Chloroethane	3.124	64	184552	54.052	ug/l	98
7) Trichlorofluoromethane	3.506	101	343978	54.910	ug/l	98
8) Diethyl Ether	3.977	74	121968	58.048	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.383	101	189356	53.395	ug/l	96
10) Methyl Iodide	4.606	142	286789	52.943	ug/l	96
11) Tert butyl alcohol	5.536	59	155613	296.875	ug/l	100
12) 1,1-Dichloroethene	4.353	96	178003	53.098	ug/l	85
13) Acrolein	4.195	56	215365	343.562	ug/l	99
14) Allyl chloride	5.036	41	231684	59.305	ug/l	97
15) Acrylonitrile	5.730	53	428945	287.568	ug/l	99
16) Acetone	4.442	43	374160	297.849	ug/l	96
17) Carbon Disulfide	4.724	76	409119	49.013	ug/l	98
18) Methyl Acetate	5.036	43	241556	56.737	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	664483	60.886	ug/l	100
20) Methylene Chloride	5.289	84	205573	55.366	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	191961	52.857	ug/l	96
22) Diisopropyl ether	6.683	45	583419	63.327	ug/l	98
23) Vinyl Acetate	6.612	43	1887494	317.004	ug/l	97
24) 1,1-Dichloroethane	6.577	63	359577	58.553	ug/l	98
25) 2-Butanone	7.488	43	544000	283.526	ug/l	94
26) 2,2-Dichloropropane	7.500	77	295029	57.002	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	230905	54.513	ug/l	95
28) Bromochloromethane	7.818	49	129392	51.983	ug/l	93
29) Tetrahydrofuran	7.847	42	354558	299.410	ug/l	96
30) Chloroform	7.971	83	390688	57.496	ug/l	97
31) Cyclohexane	8.265	56	286061	47.519	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	350068	56.428	ug/l	96
36) 1,1-Dichloropropene	8.377	75	268106	56.474	ug/l	99
37) Ethyl Acetate	7.565	43	230933	60.638	ug/l	99
38) Carbon Tetrachloride	8.371	117	313097	59.140	ug/l	97
39) Methylcyclohexane	9.606	83	306250	52.825	ug/l	96
40) Benzene	8.612	78	785254	55.317	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	126383	63.388	ug/l	97
42) 1,2-Dichloroethane	8.677	62	275242	56.669	ug/l	99
43) Isopropyl Acetate	8.694	43	355444	57.379	ug/l	99
44) Trichloroethene	9.353	130	202529	50.443	ug/l	96
45) 1,2-Dichloropropane	9.624	63	187313	55.113	ug/l	98
46) Dibromomethane	9.712	93	137271	53.494	ug/l	98
47) Bromodichloromethane	9.894	83	282957	56.853	ug/l	96
48) Methyl methacrylate	9.682	41	171697	58.546	ug/l	96
49) 1,4-Dioxane	9.700	88	68164	1101.538	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	1069991	294.236	ug/l	98
52) Toluene	10.635	92	505438	53.243	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	282891	59.626	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	311529	57.074	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	200439	55.239	ug/l	97
56) Ethyl methacrylate	10.876	69	288766	61.641	ug/l	99
57) 1,3-Dichloropropane	11.165	76	326916	55.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	411176	259.994	ug/l	98
59) 2-Hexanone	11.200	43	773304	293.450	ug/l	99
60) Dibromochloromethane	11.359	129	223937	58.626	ug/l	99
61) 1,2-Dibromoethane	11.471	107	200762	55.430	ug/l	99
64) Tetrachloroethene	11.106	164	194877	44.120	ug/l	98
65) Chlorobenzene	11.894	112	541695	52.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	211736	54.965	ug/l	99
67) Ethyl Benzene	11.965	91	989462	55.839	ug/l	97
68) m/p-Xylenes	12.071	106	782997	110.197	ug/l	99
69) o-Xylene	12.400	106	385926	55.308	ug/l	97
70) Styrene	12.412	104	636801	57.156	ug/l	98
71) Bromoform	12.582	173	158391	56.935	ug/l #	100
73) Isopropylbenzene	12.700	105	1018945	54.650	ug/l	98
74) N-amyl acetate	12.494	43	319162	59.510	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	283789	52.947	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	249442m	56.944	ug/l	
77) Bromobenzene	12.982	156	231073	53.044	ug/l	94
78) n-propylbenzene	13.041	91	1158591	55.072	ug/l	99
79) 2-Chlorotoluene	13.129	91	693685	53.735	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	867606	55.545	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	78494	54.188	ug/l	95
82) 4-Chlorotoluene	13.129	91	693685	53.735	ug/l	99
83) tert-Butylbenzene	13.441	119	755243	54.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	877381	56.018	ug/l	98
85) sec-Butylbenzene	13.617	105	1074641	55.747	ug/l	99
86) p-Isopropyltoluene	13.729	119	917437	57.876	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	453605	51.617	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	440429	52.680	ug/l	99
89) n-Butylbenzene	14.059	91	744020	59.126	ug/l	99
90) Hexachloroethane	14.335	117	157146	57.439	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	446221	50.981	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	53367	57.280	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	224476	52.996	ug/l	99
94) Hexachlorobutadiene	15.506	225	116459	50.140	ug/l	98
95) Naphthalene	15.641	128	657826	52.439	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	210343	52.127	ug/l	98

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

