

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076472.D
 Acq On : 30 Jan 2023 21:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 31 03:25:00 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

Manual Integrations APPROVED

Reviewed By : John Carlone 01/31/2023
 Supervised By : Semsettin Yesilyurt 01/31/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	367249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	704353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	558977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	278341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	232643	56.576	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.160%			
35) Dibromofluoromethane	8.177	113	197226	44.763	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.520%			
50) Toluene-d8	10.571	98	707392	43.473	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.940%			
62) 4-Bromofluorobenzene	12.853	95	260361	49.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	178169	47.342	ug/l	99
3) Chloromethane	2.377	50	241104	61.877	ug/l	96
4) Vinyl Chloride	2.530	62	272900	57.118	ug/l	99
5) Bromomethane	2.948	94	183958	47.016	ug/l	92
6) Chloroethane	3.124	64	176731	49.329	ug/l	92
7) Trichlorofluoromethane	3.506	101	427806	65.083	ug/l	96
8) Diethyl Ether	3.977	74	140309	63.640	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.389	101	180444	48.492	ug/l	97
10) Methyl Iodide	4.600	142	279422	49.160	ug/l	97
11) Tert butyl alcohol	5.542	59	173781	315.960	ug/l	100
12) 1,1-Dichloroethene	4.353	96	170998	48.612	ug/l	88
13) Acrolein	4.195	56	187494	285.049	ug/l	99
14) Allyl chloride	5.042	41	222089	54.179	ug/l	96
15) Acrylonitrile	5.736	53	431909	275.952	ug/l	99
16) Acetone	4.442	43	359102	272.427	ug/l	96
17) Carbon Disulfide	4.730	76	366581	41.854	ug/l	99
18) Methyl Acetate	5.036	43	252041	56.419	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	644264	56.260	ug/l	100
20) Methylene Chloride	5.289	84	200297	51.367	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	183304	48.102	ug/l	94
22) Diisopropyl ether	6.683	45	572626	59.235	ug/l	98
23) Vinyl Acetate	6.618	43	1890271	302.556	ug/l	100
24) 1,1-Dichloroethane	6.577	63	348957	54.154	ug/l	99
25) 2-Butanone	7.488	43	551994	274.177	ug/l	95
26) 2,2-Dichloropropane	7.500	77	279860	51.531	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	233568	52.552	ug/l	96
28) Bromochloromethane	7.824	49	144440	55.303	ug/l	95
29) Tetrahydrofuran	7.847	42	363311	292.389	ug/l	96
30) Chloroform	7.971	83	399197	55.988	ug/l	99
31) Cyclohexane	8.265	56	283428	44.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	360599	55.394	ug/l	95
36) 1,1-Dichloropropene	8.377	75	283555	45.290	ug/l	99
37) Ethyl Acetate	7.565	43	227882	45.382	ug/l	99
38) Carbon Tetrachloride	8.377	117	325473	46.617	ug/l	98
39) Methylcyclohexane	9.606	83	307723	40.248	ug/l	96
40) Benzene	8.612	78	814369	43.500	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	125012	47.544	ug/l	98
42) 1,2-Dichloroethane	8.677	62	308184	48.114	ug/l	97
43) Isopropyl Acetate	8.694	43	483894	59.232	ug/l #	90
44) Trichloroethene	9.359	130	234040	44.201	ug/l	98
45) 1,2-Dichloropropane	9.624	63	202700	45.223	ug/l	95
46) Dibromomethane	9.712	93	150793	44.559	ug/l	97
47) Bromodichloromethane	9.888	83	318324	48.499	ug/l	99
48) Methyl methacrylate	9.682	41	191920	49.623	ug/l	94
49) 1,4-Dioxane	9.700	88	82143	1006.563	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	1201456	250.524	ug/l	98
52) Toluene	10.635	92	539599	43.101	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	317334	50.717	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	336940	46.808	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	253839	53.045	ug/l	98
56) Ethyl methacrylate	10.876	69	351062	56.825	ug/l	97
57) 1,3-Dichloropropane	11.165	76	434565	55.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	520195	249.417	ug/l	98
59) 2-Hexanone	11.200	43	1012980	291.481	ug/l	100
60) Dibromochloromethane	11.365	129	274236	54.440	ug/l	100
61) 1,2-Dibromoethane	11.471	107	283036	59.255	ug/l	99
64) Tetrachloroethene	11.106	164	202949	40.260	ug/l	96
65) Chlorobenzene	11.894	112	580961	49.167	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	235101	53.477	ug/l	98
67) Ethyl Benzene	11.965	91	1060944	52.462	ug/l	100
68) m/p-Xylenes	12.070	106	826974	101.981	ug/l	97
69) o-Xylene	12.400	106	407857	51.216	ug/l	95
70) Styrene	12.412	104	680469	53.516	ug/l	98
71) Bromoform	12.582	173	174911	55.092	ug/l #	99
73) Isopropylbenzene	12.700	105	1084997	50.389	ug/l	99
74) N-amyl acetate	12.500	43	351314	56.720	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	318322	51.425	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	250321m	49.354	ug/l	
77) Bromobenzene	12.982	156	251839	50.026	ug/l	95
78) n-propylbenzene	13.041	91	1245600	51.268	ug/l	98
79) 2-Chlorotoluene	13.129	91	739747	49.618	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	931671	51.647	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	87186	52.117	ug/l	95
82) 4-Chlorotoluene	13.129	91	739747	49.618	ug/l	98
83) tert-Butylbenzene	13.441	119	885509	55.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1025421	56.690	ug/l	98
85) sec-Butylbenzene	13.617	105	1160539	52.129	ug/l	98
86) p-Isopropyltoluene	13.735	119	972954	53.147	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	475036	46.806	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	464738	48.141	ug/l	98
89) n-Butylbenzene	14.059	91	791583	54.470	ug/l	99
90) Hexachloroethane	14.335	117	188365	59.616	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	578622	57.242	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	67296	62.543	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	245557	50.267	ug/l	98
94) Hexachlorobutadiene	15.506	225	123279	45.958	ug/l	98
95) Naphthalene	15.641	128	661180	45.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	212391	45.720	ug/l	99

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

