

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012423\
 Data File : VN076388.D
 Acq On : 24 Jan 2023 18:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

Quant Time: Jan 25 00:42:06 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	396117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	652149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	580162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	281220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	207889	46.872	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.740%		
35) Dibromofluoromethane	8.171	113	179873	44.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.180%		
50) Toluene-d8	10.571	98	670474	44.503	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.000%		
62) 4-Bromofluorobenzene	12.853	95	234976	47.776	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	165070	40.665	ug/l	96
3) Chloromethane	2.377	50	185253	44.078	ug/l	96
4) Vinyl Chloride	2.530	62	253192	49.131	ug/l	100
5) Bromomethane	2.959	94	188386	44.639	ug/l	98
6) Chloroethane	3.124	64	170721	44.179	ug/l	97
7) Trichlorofluoromethane	3.512	101	300980	42.452	ug/l	98
8) Diethyl Ether	3.977	74	110533	46.481	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	170201	42.406	ug/l	97
10) Methyl Iodide	4.600	142	255989	41.755	ug/l	97
11) Tert butyl alcohol	5.536	59	118762	200.191	ug/l #	84
12) 1,1-Dichloroethene	4.353	96	158904	41.882	ug/l	87
13) Acrolein	4.195	56	146107	205.940	ug/l	100
14) Allyl chloride	5.036	41	196083	44.348	ug/l	97
15) Acrylonitrile	5.730	53	388923	230.379	ug/l	99
16) Acetone	4.442	43	325613	229.007	ug/l	99
17) Carbon Disulfide	4.730	76	365653	38.706	ug/l	98
18) Methyl Acetate	5.036	43	215860	44.798	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	557895	45.167	ug/l	99
20) Methylene Chloride	5.289	84	183484	43.534	ug/l	98
21) trans-1,2-Dichloroethene	5.800	96	171815	41.801	ug/l	96
22) Diisopropyl ether	6.683	45	497502	47.714	ug/l	98
23) Vinyl Acetate	6.612	43	1592896	236.377	ug/l	98
24) 1,1-Dichloroethane	6.583	63	308100	44.329	ug/l	99
25) 2-Butanone	7.488	43	486448	224.011	ug/l	95
26) 2,2-Dichloropropane	7.500	77	253955	43.353	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	208312	43.453	ug/l	97
28) Bromochloromethane	7.818	49	120610	42.813	ug/l	95
29) Tetrahydrofuran	7.847	42	319161	238.138	ug/l	96
30) Chloroform	7.971	83	347862	45.233	ug/l	100
31) Cyclohexane	8.265	56	266803	39.159	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	312946	44.571	ug/l	94
36) 1,1-Dichloropropene	8.377	75	247948	42.773	ug/l	99
37) Ethyl Acetate	7.571	43	201224	43.283	ug/l	98
38) Carbon Tetrachloride	8.365	117	278496	43.082	ug/l	99
39) Methylcyclohexane	9.606	83	302601	42.747	ug/l	99
40) Benzene	8.612	78	742950	42.862	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	109620	45.028	ug/l	97
42) 1,2-Dichloroethane	8.677	62	261850	44.152	ug/l	99
43) Isopropyl Acetate	8.694	43	343335	45.391	ug/l	98
44) Trichloroethene	9.359	130	197756	40.338	ug/l	100
45) 1,2-Dichloropropane	9.629	63	180430	43.477	ug/l	98
46) Dibromomethane	9.712	93	134316	42.867	ug/l	99
47) Bromodichloromethane	9.888	83	276771	45.543	ug/l	98
48) Methyl methacrylate	9.682	41	166320	46.446	ug/l	97
49) 1,4-Dioxane	9.700	88	66258	876.904	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	1047315	235.864	ug/l	99
52) Toluene	10.629	92	492232	42.465	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	269569	46.532	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	300699	45.117	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	194986	44.008	ug/l	98
56) Ethyl methacrylate	10.876	69	273675	47.844	ug/l	97
57) 1,3-Dichloropropane	11.165	76	314781	43.718	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	403776	209.095	ug/l	99
59) 2-Hexanone	11.200	43	752748	233.939	ug/l	99
60) Dibromochloromethane	11.359	129	223703	47.963	ug/l	99
61) 1,2-Dibromoethane	11.471	107	198553	44.896	ug/l	98
64) Tetrachloroethene	11.106	164	190955	36.498	ug/l	97
65) Chlorobenzene	11.894	112	526872	42.961	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	204276	44.768	ug/l	99
67) Ethyl Benzene	11.965	91	962290	45.847	ug/l	99
68) m/p-Xylenes	12.070	106	757824	90.041	ug/l	100
69) o-Xylene	12.400	106	376740	45.581	ug/l	97
70) Styrene	12.412	104	619468	46.939	ug/l	98
71) Bromoform	12.582	173	156279	47.426	ug/l #	100
73) Isopropylbenzene	12.700	105	1000629	45.995	ug/l	100
74) N-amyl acetate	12.494	43	296785	47.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	276628	44.232	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	244431m	47.667	ug/l	
77) Bromobenzene	12.982	156	228130	44.794	ug/l	97
78) n-propylbenzene	13.035	91	1130959	46.073	ug/l	100
79) 2-Chlorotoluene	13.129	91	673048	44.682	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	838037	45.981	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	74860	44.291	ug/l	93
82) 4-Chlorotoluene	13.129	91	673048	44.682	ug/l	99
83) tert-Butylbenzene	13.441	119	737160	45.476	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	842124	46.080	ug/l	99
85) sec-Butylbenzene	13.617	105	1059493	47.103	ug/l	99
86) p-Isopropyltoluene	13.729	119	889012	48.065	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	432186	42.148	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	420983	43.173	ug/l	99
89) n-Butylbenzene	14.059	91	714781	48.681	ug/l	100
90) Hexachloroethane	14.335	117	154027	48.249	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	427605	41.869	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50013	46.005	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	201374	41.047	ug/l	99
94) Hexachlorobutadiene	15.506	225	109860	40.536	ug/l	99
95) Naphthalene	15.641	128	578199	39.955	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	195365	41.728	ug/l	99

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

