

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079480.D
 Acq On : 09 Oct 2023 18:48
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 09 23:19:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

10/10/2023

Supervised By :Mahesh

Dadoda

10/10/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	252643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	450563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	411457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178765	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	198214	48.387	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.780%
35) Dibromofluoromethane	8.165	113	153555	47.424	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.840%
50) Toluene-d8	10.571	98	594733	50.764	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.520%
62) 4-Bromofluorobenzene	12.853	95	193071	51.351	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	177624	49.064	ug/l	99
3) Chloromethane	2.365	50	192380	42.589	ug/l	99
4) Vinyl Chloride	2.518	62	222914	47.443	ug/l	99
5) Bromomethane	2.942	94	91268	32.448	ug/l	93
6) Chloroethane	3.112	64	145668	41.122	ug/l	99
7) Trichlorofluoromethane	3.495	101	265558	47.869	ug/l	98
8) Diethyl Ether	3.959	74	96603	48.845	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.371	101	149429	46.093	ug/l	99
10) Methyl Iodide	4.595	142	133257	47.369	ug/l	96
11) Tert butyl alcohol	5.524	59	123767	200.744	ug/l	99
12) 1,1-Dichloroethene	4.342	96	143937	48.220	ug/l	85
13) Acrolein	4.183	56	157434	256.447	ug/l	97
14) Allyl chloride	5.024	41	225327	46.777	ug/l	93
15) Acrylonitrile	5.724	53	417472	233.557	ug/l	99
16) Acetone	4.430	43	356790	219.594	ug/l	94
17) Carbon Disulfide	4.712	76	420954	45.210	ug/l	99
18) Methyl Acetate	5.024	43	337348	42.421	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	486725	50.184	ug/l #	90
20) Methylene Chloride	5.283	84	169565	47.629	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	158999	45.606	ug/l	85
22) Diisopropyl ether	6.677	45	545967	50.545	ug/l #	90
23) Vinyl Acetate	6.606	43	1552911	255.586	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	316529	47.881	ug/l	96
25) 2-Butanone	7.489	43	546953	226.809	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	242461	47.993	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	185099	48.871	ug/l	88
28) Bromochloromethane	7.818	49	153412	48.774	ug/l #	74
29) Tetrahydrofuran	7.841	42	363441	233.030	ug/l #	76
30) Chloroform	7.971	83	317437	47.526	ug/l	95
31) Cyclohexane	8.259	56	265624	45.713	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	268624	47.789	ug/l	92
36) 1,1-Dichloropropene	8.377	75	239835	49.352	ug/l	94
37) Ethyl Acetate	7.565	43	230659	47.701	ug/l #	90
38) Carbon Tetrachloride	8.365	117	237213	48.759	ug/l	98
39) Methylcyclohexane	9.606	83	242175	51.869	ug/l #	84
40) Benzene	8.612	78	704658	48.825	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.783	41	125705	49.448	ug/l	#	84
42) 1,2-Dichloroethane	8.671	62	251924	48.039	ug/l		96
43) Isopropyl Acetate	8.694	43	395756	46.715	ug/l	#	88
44) Trichloroethene	9.359	130	164309	48.371	ug/l		98
45) 1,2-Dichloropropane	9.624	63	185853	48.875	ug/l		89
46) Dibromomethane	9.712	93	122117	49.585	ug/l		96
47) Bromodichloromethane	9.888	83	251483	49.641	ug/l		99
48) Methyl methacrylate	9.683	41	174820	48.157	ug/l	#	81
49) 1,4-Dioxane	9.694	88	62254	931.003	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.447	43	1147346	239.919	ug/l		89
52) Toluene	10.635	92	436746	51.410	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	260739	51.073	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	286938	51.343	ug/l	#	90
55) 1,1,2-Trichloroethane	11.018	97	168170	49.308	ug/l		96
56) Ethyl methacrylate	10.877	69	252770	53.935	ug/l	#	81
57) 1,3-Dichloropropane	11.165	76	296407	50.330	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	477431	266.006	ug/l	#	88
59) 2-Hexanone	11.200	43	826903	239.620	ug/l		88
60) Dibromochloromethane	11.365	129	180404	52.631	ug/l		100
61) 1,2-Dibromoethane	11.471	107	165674	48.948	ug/l		97
64) Tetrachloroethene	11.106	164	131062	46.303	ug/l		96
65) Chlorobenzene	11.894	112	442412	48.281	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	162969	48.574	ug/l		97
67) Ethyl Benzene	11.965	91	821802	51.599	ug/l		95
68) m/p-Xylenes	12.076	106	611311	105.637	ug/l		94
69) o-Xylene	12.400	106	297070	52.199	ug/l		93
70) Styrene	12.418	104	488158	54.304	ug/l		97
71) Bromoform	12.582	173	115322	46.965	ug/l	#	99
73) Isopropylbenzene	12.700	105	768242	46.194	ug/l		98
74) N-amyl acetate	12.494	43	310791	45.584	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	251456	46.765	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	215663m	41.842	ug/l		
77) Bromobenzene	12.982	156	172711	42.353	ug/l		94
78) n-propylbenzene	13.041	91	913207	48.532	ug/l		97
79) 2-Chlorotoluene	13.129	91	542099	45.022	ug/l		100
80) 1,3,5-Trimethylbenzene	13.176	105	642542	48.995	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	72218	40.654	ug/l	#	85
82) 4-Chlorotoluene	13.223	91	522870	45.635	ug/l		99
83) tert-Butylbenzene	13.441	119	514260	47.862	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	626075	50.024	ug/l		100
85) sec-Butylbenzene	13.618	105	739046	49.312	ug/l		99
86) p-Isopropyltoluene	13.735	119	597362	51.957	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	305118	47.175	ug/l		98
88) 1,4-Dichlorobenzene	13.818	146	295818	44.295	ug/l		99
89) n-Butylbenzene	14.059	91	491867	53.573	ug/l		98
90) Hexachloroethane	14.335	117	116737	50.013	ug/l		92
91) 1,2-Dichlorobenzene	14.112	146	289838	45.941	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	38788	40.334	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	100827	51.601	ug/l		96
94) Hexachlorobutadiene	15.506	225	67182	44.146	ug/l		99
95) Naphthalene	15.647	128	274835	46.061	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	109106	46.792	ug/l		97

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

