

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079419.D
 Acq On : 04 Oct 2023 21:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 02:28:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	143370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	260998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	240035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	115725	59.795	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.600%			
35) Dibromofluoromethane	8.171	113	91680	52.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.620%			
50) Toluene-d8	10.571	98	326617	51.236	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.853	95	113047	55.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	72796	51.316	ug/l	97
3) Chloromethane	2.365	50	91479	49.124	ug/l	100
4) Vinyl Chloride	2.512	62	115967	57.153	ug/l	98
5) Bromomethane	2.936	94	37042	31.760	ug/l	94
6) Chloroethane	3.112	64	96286	74.673	ug/l	98
7) Trichlorofluoromethane	3.495	101	153101	51.528	ug/l	98
8) Diethyl Ether	3.965	74	59343	57.542	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.377	101	87364	55.289	ug/l	99
10) Methyl Iodide	4.595	142	52466	40.590	ug/l	92
11) Tert butyl alcohol	5.524	59	103380	289.329	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	80499	52.644	ug/l	85
13) Acrolein	4.177	56	128611	377.342	ug/l	96
14) Allyl chloride	5.024	41	129456	53.072	ug/l	89
15) Acrylonitrile	5.724	53	303259	327.321	ug/l	99
16) Acetone	4.430	43	242082	294.519	ug/l	91
17) Carbon Disulfide	4.718	76	180910	37.855	ug/l	100
18) Methyl Acetate	5.030	43	244983	72.520	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	327631	62.475	ug/l	93
20) Methylene Chloride	5.283	84	111076	55.531	ug/l #	87
21) trans-1,2-Dichloroethene	5.789	96	92491	52.142	ug/l #	81
22) Diisopropyl ether	6.677	45	363976	68.007	ug/l #	90
23) Vinyl Acetate	6.612	43	1044451	317.274	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	203228	61.597	ug/l	98
25) 2-Butanone	7.489	43	406734	341.049	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	130389	48.159	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	117866	58.112	ug/l	89
28) Bromochloromethane	7.818	49	81811	54.843	ug/l #	73
29) Tetrahydrofuran	7.841	42	265442	349.752	ug/l #	75
30) Chloroform	7.971	83	213561	62.170	ug/l	93
31) Cyclohexane	8.259	56	143155	50.658	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	179037	61.142	ug/l	94
36) 1,1-Dichloropropene	8.377	75	141805	52.991	ug/l	96
37) Ethyl Acetate	7.565	43	158454	59.366	ug/l #	92
38) Carbon Tetrachloride	8.365	117	149054	53.825	ug/l	97
39) Methylcyclohexane	9.606	83	129687	49.131	ug/l #	88
40) Benzene	8.612	78	441536	53.899	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	89942	66.833	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	169009	59.929	ug/l	98
43) Isopropyl Acetate	8.694	43	325004	74.625	ug/l #	83
44) Trichloroethene	9.359	130	100449	49.776	ug/l	98
45) 1,2-Dichloropropane	9.624	63	123146	60.572	ug/l	98
46) Dibromomethane	9.712	93	80869	58.595	ug/l	97
47) Bromodichloromethane	9.894	83	173697	61.446	ug/l	97
48) Methyl methacrylate	9.688	41	125231	64.196	ug/l #	82
49) 1,4-Dioxane	9.700	88	49341	1229.728	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	870331	344.259	ug/l	90
52) Toluene	10.635	92	276570	54.936	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	167349	56.144	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	181670	56.985	ug/l #	90
55) 1,1,2-Trichloroethane	11.024	97	118300	59.886	ug/l	95
56) Ethyl methacrylate	10.877	69	177420	63.625	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	202843	59.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	351623	293.939	ug/l	89
59) 2-Hexanone	11.200	43	631541	344.898	ug/l	86
60) Dibromochloromethane	11.365	129	122600	58.315	ug/l	99
61) 1,2-Dibromoethane	11.476	107	111140	56.377	ug/l	98
64) Tetrachloroethene	11.106	164	85271	48.719	ug/l	97
65) Chlorobenzene	11.894	112	288263	53.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	114160	55.986	ug/l	98
67) Ethyl Benzene	11.971	91	527108	56.672	ug/l	96
68) m/p-Xylenes	12.076	106	396600	114.398	ug/l	96
69) o-Xylene	12.406	106	190942	57.427	ug/l	93
70) Styrene	12.418	104	326624	61.079	ug/l	98
71) Bromoform	12.582	173	81372	54.056	ug/l #	99
73) Isopropylbenzene	12.700	105	499672	46.784	ug/l	100
74) N-amyl acetate	12.500	43	220202	54.344	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	183529	46.146	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	140574m	44.432	ug/l	
77) Bromobenzene	12.982	156	117493	43.446	ug/l	95
78) n-propylbenzene	13.041	91	596064	49.682	ug/l	97
79) 2-Chlorotoluene	13.129	91	357724	45.587	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	418718	47.050	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	45372	39.427	ug/l #	80
82) 4-Chlorotoluene	13.223	91	346900	47.047	ug/l	99
83) tert-Butylbenzene	13.441	119	343220	46.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	418070	49.328	ug/l	100
85) sec-Butylbenzene	13.623	105	490965	48.441	ug/l	100
86) p-Isopropyltoluene	13.735	119	392676	48.494	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	209779	47.294	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	217548	48.536	ug/l	100
89) n-Butylbenzene	14.059	91	343789	53.991	ug/l	98
90) Hexachloroethane	14.335	117	83710	50.907	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	221521	50.589	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31099	51.439	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	67980	43.201	ug/l	98
94) Hexachlorobutadiene	15.506	225	47536	38.402	ug/l	96
95) Naphthalene	15.647	128	182023	38.947	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	73974	39.853	ug/l	97

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

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