

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079221.D
 Acq On : 11 Sep 2023 16:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091123

Quant Time: Sep 12 05:19:12 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

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	158518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	260221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	241991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	111412	52.066	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.140%			
35) Dibromofluoromethane	8.171	113	91923	53.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.220%			
50) Toluene-d8	10.571	98	356922	56.157	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.320%			
62) 4-Bromofluorobenzene	12.853	95	119936	59.159	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	74859	47.728	ug/l	100
3) Chloromethane	2.365	50	93070	45.202	ug/l	97
4) Vinyl Chloride	2.512	62	107965	48.124	ug/l	100
5) Bromomethane	2.924	94	57453	44.553	ug/l	98
6) Chloroethane	3.106	64	74028	51.622	ug/l	98
7) Trichlorofluoromethane	3.489	101	155355	47.290	ug/l	100
8) Diethyl Ether	3.959	74	58003	50.868	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.365	101	83982	48.069	ug/l	96
10) Methyl Iodide	4.589	142	82399	57.656	ug/l	96
11) Tert butyl alcohol	5.524	59	85190	215.638	ug/l	99
12) 1,1-Dichloroethene	4.336	96	85874	50.793	ug/l	90
13) Acrolein	4.177	56	82771	219.642	ug/l	95
14) Allyl chloride	5.024	41	129126	47.878	ug/l	92
15) Acrylonitrile	5.718	53	250106	244.154	ug/l	99
16) Acetone	4.430	43	236342	260.059	ug/l	99
17) Carbon Disulfide	4.712	76	236484	44.755	ug/l	100
18) Methyl Acetate	5.024	43	175860	47.083	ug/l #	87
19) Methyl tert-butyl Ether	5.795	73	294786	50.840	ug/l	92
20) Methylene Chloride	5.277	84	103737	46.906	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	96536	49.222	ug/l #	81
22) Diisopropyl ether	6.677	45	312110	52.743	ug/l #	90
23) Vinyl Acetate	6.606	43	963681	264.764	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	184089	50.464	ug/l	100
25) 2-Butanone	7.489	43	341961	259.336	ug/l #	85
26) 2,2-Dichloropropane	7.494	77	159253	53.199	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	114379	51.004	ug/l	92
28) Bromochloromethane	7.818	49	86288	52.317	ug/l	83
29) Tetrahydrofuran	7.841	42	215583	256.912	ug/l #	80
30) Chloroform	7.971	83	192015	50.556	ug/l	95
31) Cyclohexane	8.265	56	148905	47.658	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	164849	50.917	ug/l	97
36) 1,1-Dichloropropene	8.377	75	140557	52.682	ug/l	97
37) Ethyl Acetate	7.565	43	134122	50.400	ug/l #	93
38) Carbon Tetrachloride	8.365	117	144512	52.341	ug/l	97
39) Methylcyclohexane	9.606	83	148740	56.517	ug/l #	88
40) Benzene	8.612	78	428753	52.495	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	76119	56.730	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	141685	50.390	ug/l	99
43) Isopropyl Acetate	8.694	43	223126	51.386	ug/l #	93
44) Trichloroethene	9.359	130	104641	52.008	ug/l	99
45) 1,2-Dichloropropane	9.630	63	110387	54.459	ug/l	99
46) Dibromomethane	9.712	93	74538	54.169	ug/l	92
47) Bromodichloromethane	9.888	83	149843	53.166	ug/l	98
48) Methyl methacrylate	9.683	41	104009	53.477	ug/l	83
49) 1,4-Dioxane	9.700	88	43474	1086.740	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	681278	270.284	ug/l	94
52) Toluene	10.635	92	273399	54.469	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	166780	56.121	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	177951	55.985	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	104954	53.289	ug/l	98
56) Ethyl methacrylate	10.877	69	166494	59.885	ug/l #	88
57) 1,3-Dichloropropane	11.171	76	182656	53.648	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	272175	234.486	ug/l	92
59) 2-Hexanone	11.200	43	507015	277.718	ug/l	93
60) Dibromochloromethane	11.365	129	114276	54.518	ug/l	98
61) 1,2-Dibromoethane	11.477	107	107767	54.829	ug/l	98
64) Tetrachloroethene	11.106	164	87399	49.531	ug/l	96
65) Chlorobenzene	11.894	112	282622	51.554	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	106950	52.026	ug/l	97
67) Ethyl Benzene	11.971	91	521541	55.620	ug/l	98
68) m/p-Xylenes	12.076	106	391012	111.875	ug/l	96
69) o-Xylene	12.400	106	189444	56.516	ug/l	96
70) Styrene	12.418	104	320362	59.424	ug/l	99
71) Bromoform	12.582	173	81846	53.932	ug/l #	99
73) Isopropylbenzene	12.700	105	476782	49.062	ug/l	100
74) N-amyl acetate	12.500	43	185418	50.291	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	154919	42.810	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	138373m	48.068	ug/l	
77) Bromobenzene	12.988	156	116038	47.157	ug/l	98
78) n-propylbenzene	13.041	91	562901	51.564	ug/l	99
79) 2-Chlorotoluene	13.129	91	338546	47.416	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	395821	48.882	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	50365	48.100	ug/l	91
82) 4-Chlorotoluene	13.223	91	340910	50.814	ug/l	99
83) tert-Butylbenzene	13.441	119	334483	49.933	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	396625	51.432	ug/l	100
85) sec-Butylbenzene	13.623	105	460451	49.929	ug/l	100
86) p-Isopropyltoluene	13.735	119	383405	52.038	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	200058	49.569	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	196479	48.177	ug/l	98
89) n-Butylbenzene	14.059	91	315757	54.500	ug/l	100
90) Hexachloroethane	14.341	117	69862	46.693	ug/l	80
91) 1,2-Dichlorobenzene	14.112	146	190965	47.930	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	26272	47.758	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	76103	53.153	ug/l	98
94) Hexachlorobutadiene	15.506	225	48804	43.331	ug/l	99
95) Naphthalene	15.647	128	209936	49.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	79676	47.176	ug/l	96

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

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