

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092023\
 Data File : VN079309.D
 Acq On : 20 Sep 2023 14:04
 Operator : JC\MD
 Sample : VN0920WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Quant Time: Sep 21 01:55:23 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 09/21/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	189223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	322692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	293046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135838	53.180	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	8.171	113	107576	50.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.240%			
50) Toluene-d8	10.571	98	400939	50.870	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.853	95	124433	49.495	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35982	19.218	ug/l	95
3) Chloromethane	2.365	50	46777	19.032	ug/l	98
4) Vinyl Chloride	2.518	62	53440	19.955	ug/l	99
5) Bromomethane	2.954	94	29980	19.476	ug/l	91
6) Chloroethane	3.118	64	36054	20.473	ug/l	100
7) Trichlorofluoromethane	3.501	101	76182	19.427	ug/l	98
8) Diethyl Ether	3.959	74	25702	18.883	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	42926	20.583	ug/l	99
10) Methyl Iodide	4.595	142	41059	24.068	ug/l	100
11) Tert butyl alcohol	5.524	59	33520	71.080	ug/l #	90
12) 1,1-Dichloroethene	4.348	96	36728	18.199	ug/l	85
13) Acrolein	4.183	56	43844	97.466	ug/l	97
14) Allyl chloride	5.030	41	60273	18.722	ug/l #	91
15) Acrylonitrile	5.724	53	116916	95.613	ug/l	98
16) Acetone	4.430	43	119351	110.017	ug/l	95
17) Carbon Disulfide	4.712	76	97532	15.463	ug/l	98
18) Methyl Acetate	5.030	43	89188	20.004	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	137212	19.824	ug/l	100
20) Methylene Chloride	5.277	84	50412	19.096	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	42765	18.267	ug/l #	77
22) Diisopropyl ether	6.677	45	150827	21.352	ug/l #	90
23) Vinyl Acetate	6.612	43	438809	100.996	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	90559	20.797	ug/l	96
25) 2-Butanone	7.489	43	159111	101.086	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	72451	20.275	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	51398	19.200	ug/l	85
28) Bromochloromethane	7.818	49	41483	21.070	ug/l #	73
29) Tetrahydrofuran	7.841	42	92460	92.306	ug/l #	74
30) Chloroform	7.971	83	88755	19.577	ug/l	90
31) Cyclohexane	8.259	56	66356	17.791	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	72323	18.714	ug/l	95
36) 1,1-Dichloropropene	8.377	75	60489	18.283	ug/l	94
37) Ethyl Acetate	7.565	43	59560	18.048	ug/l #	91
38) Carbon Tetrachloride	8.365	117	59150	17.276	ug/l	98
39) Methylcyclohexane	9.606	83	57966	17.762	ug/l	90
40) Benzene	8.612	78	183662	18.134	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	30672	18.434	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	65519	18.791	ug/l	98
43) Isopropyl Acetate	8.694	43	94131	17.482	ug/l #	90
44) Trichloroethene	9.359	130	43848	17.574	ug/l	96
45) 1,2-Dichloropropane	9.624	63	48988	19.489	ug/l	96
46) Dibromomethane	9.712	93	32880	19.269	ug/l	96
47) Bromodichloromethane	9.894	83	67922	19.434	ug/l	99
48) Methyl methacrylate	9.683	41	43723	18.128	ug/l #	81
49) 1,4-Dioxane	9.700	88	15516	312.774	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	297678	95.235	ug/l	89
52) Toluene	10.635	92	112519	18.077	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	64480	17.497	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	72223	18.323	ug/l #	92
55) 1,1,2-Trichloroethane	11.024	97	46303	18.958	ug/l	96
56) Ethyl methacrylate	10.877	69	61029	17.702	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	78104	18.499	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	110665	82.385	ug/l	89
59) 2-Hexanone	11.200	43	212037	93.659	ug/l	86
60) Dibromochloromethane	11.365	129	46241	17.790	ug/l	99
61) 1,2-Dibromoethane	11.477	107	42794	17.558	ug/l	98
64) Tetrachloroethene	11.106	164	37715	17.650	ug/l	95
65) Chlorobenzene	11.894	112	114234	17.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	43910	17.639	ug/l	98
67) Ethyl Benzene	11.971	91	206303	18.168	ug/l	95
68) m/p-Xylenes	12.077	106	153807	36.340	ug/l	97
69) o-Xylene	12.400	106	72499	17.860	ug/l	93
70) Styrene	12.418	104	118737	18.187	ug/l	97
71) Bromoform	12.582	173	29294	15.940	ug/l #	99
73) Isopropylbenzene	12.700	105	189516	17.488	ug/l	98
74) N-amyl acetate	12.500	43	70219	17.079	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	65696	16.280	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51085m	15.913	ug/l	
77) Bromobenzene	12.988	156	42938	15.648	ug/l	90
78) n-propylbenzene	13.041	91	222581	18.284	ug/l	97
79) 2-Chlorotoluene	13.129	91	136516	17.146	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	157997	17.497	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	20025	17.150	ug/l	87
82) 4-Chlorotoluene	13.224	91	128791	17.214	ug/l	100
83) tert-Butylbenzene	13.441	119	125824	16.844	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	156777	18.231	ug/l	100
85) sec-Butylbenzene	13.618	105	183067	17.801	ug/l	99
86) p-Isopropyltoluene	13.735	119	146195	17.794	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	74144	16.474	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	73044	16.061	ug/l	98
89) n-Butylbenzene	14.059	91	115441	17.868	ug/l	97
90) Hexachloroethane	14.341	117	28831	17.280	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	73514	16.546	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9863	16.078	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	21065	13.193	ug/l	95
94) Hexachlorobutadiene	15.506	225	18156	14.455	ug/l	96
95) Naphthalene	15.647	128	51373	10.833	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	24328	12.917	ug/l	96

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

