

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092123\
 Data File : VN079318.D
 Acq On : 21 Sep 2023 12:00
 Operator : JC\MD
 Sample : VN0921WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 02:28:13 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	162085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	283502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	260226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126475	57.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.600%			
35) Dibromofluoromethane	8.171	113	97395	51.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	10.571	98	356938	51.548	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.853	95	110567	50.059	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	29225	18.223	ug/l	96
3) Chloromethane	2.365	50	37382	17.756	ug/l	97
4) Vinyl Chloride	2.518	62	42731	18.628	ug/l	96
5) Bromomethane	2.959	94	26493	20.092	ug/l	88
6) Chloroethane	3.124	64	29382	19.430	ug/l	99
7) Trichlorofluoromethane	3.501	101	60471	18.002	ug/l	98
8) Diethyl Ether	3.965	74	20335	17.441	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.377	101	32886	18.409	ug/l	99
10) Methyl Iodide	4.595	142	31748	21.726	ug/l	94
11) Tert butyl alcohol	5.524	59	29000	71.791	ug/l #	91
12) 1,1-Dichloroethene	4.348	96	28284	16.361	ug/l	89
13) Acrolein	4.183	56	43566	113.063	ug/l	94
14) Allyl chloride	5.030	41	46938	17.021	ug/l #	90
15) Acrylonitrile	5.718	53	94812	90.519	ug/l	97
16) Acetone	4.430	43	88718	95.472	ug/l	92
17) Carbon Disulfide	4.712	76	75094	13.899	ug/l	98
18) Methyl Acetate	5.030	43	72781	19.057	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	108475	18.296	ug/l	94
20) Methylene Chloride	5.283	84	40496	17.908	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	32817	16.365	ug/l #	74
22) Diisopropyl ether	6.677	45	123361	20.388	ug/l #	89
23) Vinyl Acetate	6.612	43	338999m	91.088	ug/l	
24) 1,1-Dichloroethane	6.577	63	71172	19.081	ug/l	99
25) 2-Butanone	7.489	43	125042	92.742	ug/l #	83
26) 2,2-Dichloropropane	7.500	77	54995	17.967	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	40423	17.629	ug/l	87
28) Bromochloromethane	7.818	49	30286	17.958	ug/l #	72
29) Tetrahydrofuran	7.841	42	76570	89.241	ug/l #	76
30) Chloroform	7.965	83	73496	18.925	ug/l	91
31) Cyclohexane	8.259	56	56136	17.571	ug/l #	82
32) 1,1,1-Trichloroethane	8.177	97	60468	18.266	ug/l	96
36) 1,1-Dichloropropene	8.377	75	50871	17.501	ug/l	94
37) Ethyl Acetate	7.565	43	50127	17.290	ug/l #	91
38) Carbon Tetrachloride	8.365	117	51048	16.971	ug/l	98
39) Methylcyclohexane	9.606	83	45913	16.013	ug/l #	84
40) Benzene	8.606	78	157663	17.719	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27284	18.665	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	58653	19.147	ug/l	96
43) Isopropyl Acetate	8.688	43	81136	17.151	ug/l #	92
44) Trichloroethene	9.359	130	35689	16.281	ug/l	90
45) 1,2-Dichloropropane	9.624	63	41549	18.815	ug/l	98
46) Dibromomethane	9.712	93	28436	18.968	ug/l	97
47) Bromodichloromethane	9.894	83	59450	19.361	ug/l	99
48) Methyl methacrylate	9.683	41	37174	17.544	ug/l #	82
49) 1,4-Dioxane	9.700	88	14160	324.897	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	253811	92.426	ug/l	89
52) Toluene	10.635	92	96374	17.624	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	56672	17.504	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	62953	18.179	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	40516	18.882	ug/l	97
56) Ethyl methacrylate	10.877	69	52244	17.248	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	68646	18.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	114708	96.622	ug/l	89
59) 2-Hexanone	11.200	43	177531	89.257	ug/l	87
60) Dibromochloromethane	11.359	129	39341	17.227	ug/l	95
61) 1,2-Dibromoethane	11.471	107	38663	18.055	ug/l	95
64) Tetrachloroethene	11.106	164	32399	17.075	ug/l	97
65) Chlorobenzene	11.894	112	95711	16.236	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	36649	16.579	ug/l	98
67) Ethyl Benzene	11.965	91	170553	16.914	ug/l	93
68) m/p-Xylenes	12.071	106	128138	34.093	ug/l	96
69) o-Xylene	12.400	106	60773	16.860	ug/l	94
70) Styrene	12.418	104	99864	17.226	ug/l	100
71) Bromoform	12.582	173	25256	15.476	ug/l #	96
73) Isopropylbenzene	12.700	105	153166	16.519	ug/l	99
74) N-amyl acetate	12.500	43	58074	16.509	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	57513	16.657	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	50652m	18.441	ug/l	
77) Bromobenzene	12.982	156	36959	15.742	ug/l	94
78) n-propylbenzene	13.041	91	184033	17.669	ug/l	97
79) 2-Chlorotoluene	13.129	91	115394	16.939	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	131365	17.003	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	16733	16.749	ug/l	87
82) 4-Chlorotoluene	13.223	91	106157	16.584	ug/l	98
83) tert-Butylbenzene	13.441	119	103590	16.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	127869	17.378	ug/l	99
85) sec-Butylbenzene	13.618	105	150853	17.144	ug/l	100
86) p-Isopropyltoluene	13.735	119	118541	16.863	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	61762	16.038	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	60631	15.582	ug/l	99
89) n-Butylbenzene	14.059	91	91629	16.575	ug/l	97
90) Hexachloroethane	14.335	117	24193	16.947	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	62292	16.386	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8444	16.088	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	17486	12.800	ug/l	99
94) Hexachlorobutadiene	15.506	225	15215	14.158	ug/l	96
95) Naphthalene	15.641	128	42680	10.519	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	20588	12.776	ug/l	99

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

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