

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079066.D
 Acq On : 28 Aug 2023 14:54
 Operator : JC\MD
 Sample : VN0828WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBSD02

Quant Time: Aug 29 04:04:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/29/2023
 Supervised By : Semsettin Yesilyurt 08/29/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	179907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	305415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	274409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	115852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129326	46.196	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.400%		
35) Dibromofluoromethane	8.177	113	100169	48.723	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.440%		
50) Toluene-d8	10.571	98	356133	46.653	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.300%		
62) 4-Bromofluorobenzene	12.853	95	120105	48.135	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44815	17.953	ug/l	99
3) Chloromethane	2.365	50	46637	13.381	ug/l	100
4) Vinyl Chloride	2.512	62	48330	15.812	ug/l	99
5) Bromomethane	2.954	94	32139	18.314	ug/l	99
6) Chloroethane	3.124	64	33453	15.656	ug/l	93
7) Trichlorofluoromethane	3.495	101	73292	19.687	ug/l	99
8) Diethyl Ether	3.971	74	26505	18.780	ug/l #	56
9) 1,1,2-Trichlorotrifluo...	4.383	101	37044	18.683	ug/l	94
10) Methyl Iodide	4.595	142	43639	19.671	ug/l	98
11) Tert butyl alcohol	5.536	59	43078	91.702	ug/l	95
12) 1,1-Dichloroethene	4.342	96	35322	18.288	ug/l	81
13) Acrolein	4.189	56	24512	86.545	ug/l	98
14) Allyl chloride	5.030	41	62329	16.214	ug/l #	87
15) Acrylonitrile	5.724	53	125778	98.834	ug/l	99
16) Acetone	4.436	43	114164	98.833	ug/l	91
17) Carbon Disulfide	4.718	76	81829	15.135	ug/l	98
18) Methyl Acetate	5.036	43	98038	20.091	ug/l #	81
19) Methyl tert-butyl Ether	5.806	73	139220	20.010	ug/l	98
20) Methylene Chloride	5.277	84	46712	18.976	ug/l #	86
21) trans-1,2-Dichloroethene	5.789	96	40299	18.607	ug/l	95
22) Diisopropyl ether	6.677	45	159952	19.669	ug/l #	87
23) Vinyl Acetate	6.606	43	491355	91.762	ug/l #	85
24) 1,1-Dichloroethane	6.577	63	83816	18.866	ug/l	99
25) 2-Butanone	7.494	43	173075	93.455	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	63723	17.745	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	49895	18.954	ug/l	87
28) Bromochloromethane	7.818	49	45880	19.468	ug/l #	73
29) Tetrahydrofuran	7.841	42	116799	95.283	ug/l #	69
30) Chloroform	7.965	83	90861	20.471	ug/l	93
31) Cyclohexane	8.259	56	63183	16.318	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	71725	18.952	ug/l	91
36) 1,1-Dichloropropene	8.377	75	57058	18.450	ug/l	98
37) Ethyl Acetate	7.565	43	73216	21.160	ug/l #	90
38) Carbon Tetrachloride	8.371	117	62736	20.246	ug/l	91
39) Methylcyclohexane	9.606	83	55678	19.576	ug/l #	90
40) Benzene	8.612	78	183039	20.024	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	39906	21.176	ug/l #	81
42) 1,2-Dichloroethane	8.683	62	71193	20.847	ug/l	100
43) Isopropyl Acetate	8.694	43	118771	19.420	ug/l #	87
44) Trichloroethene	9.359	130	46665	21.485	ug/l	100
45) 1,2-Dichloropropane	9.630	63	54179	22.262	ug/l	91
46) Dibromomethane	9.712	93	33189	19.882	ug/l	87
47) Bromodichloromethane	9.894	83	69731	21.155	ug/l #	97
48) Methyl methacrylate	9.688	41	55348	19.971	ug/l #	76
49) 1,4-Dioxane	9.700	88	19860	420.720	ug/l #	89
51) 4-Methyl-2-Pentanone	10.453	43	374614	103.276	ug/l #	84
52) Toluene	10.635	92	114116	20.333	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	73228	20.716	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	78794	20.467	ug/l #	86
55) 1,1,2-Trichloroethane	11.024	97	48518	21.561	ug/l	98
56) Ethyl methacrylate	10.877	69	69284	19.862	ug/l #	68
57) 1,3-Dichloropropane	11.165	76	86555	21.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	156167	93.265	ug/l	88
59) 2-Hexanone	11.200	43	259441	98.750	ug/l	83
60) Dibromochloromethane	11.365	129	50410	21.288	ug/l	97
61) 1,2-Dibromoethane	11.471	107	48630	21.266	ug/l	97
64) Tetrachloroethene	11.106	164	36082	20.967	ug/l	94
65) Chlorobenzene	11.894	112	119800	20.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	45809	20.752	ug/l	95
67) Ethyl Benzene	11.971	91	205342	19.331	ug/l	98
68) m/p-Xylenes	12.076	106	154634	38.936	ug/l	95
69) o-Xylene	12.406	106	77233	19.991	ug/l	99
70) Styrene	12.418	104	127320	19.764	ug/l	99
71) Bromoform	12.582	173	34282	21.362	ug/l #	98
73) Isopropylbenzene	12.700	105	197902	20.487	ug/l	100
74) N-amyl acetate	12.500	43	90204	18.500	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	72053	20.658	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	58508m	20.960	ug/l	
77) Bromobenzene	12.988	156	46635	20.084	ug/l	92
78) n-propylbenzene	13.041	91	220595	19.693	ug/l	99
79) 2-Chlorotoluene	13.129	91	139029	20.008	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	162378	21.212	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	22130	20.252	ug/l #	81
82) 4-Chlorotoluene	13.229	91	133697	19.664	ug/l	98
83) tert-Butylbenzene	13.441	119	139439	21.679	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	155082	20.459	ug/l	97
85) sec-Butylbenzene	13.623	105	183544	20.736	ug/l	100
86) p-Isopropyltoluene	13.735	119	150680	21.307	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	79860	19.987	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	78889	19.727	ug/l	99
89) n-Butylbenzene	14.059	91	119084	20.461	ug/l	99
90) Hexachloroethane	14.335	117	28853	20.353	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	82929	20.871	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12330	18.658	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	30170	21.419	ug/l	97
94) Hexachlorobutadiene	15.506	225	17810	22.177	ug/l	96
95) Naphthalene	15.647	128	77779	16.393	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	32664	21.173	ug/l	99

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

