

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091823\
 Data File : VN079289.D
 Acq On : 18 Sep 2023 16:32
 Operator : JC\MD
 Sample : VN0918WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2023
 Supervised By : Semsettin Yesilyurt 09/19/2023

Quant Time: Sep 19 01:24:29 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	147859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	268422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	251422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	120897	60.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.140%			
35) Dibromofluoromethane	8.171	113	94384	52.862	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	10.571	98	337866	51.535	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.853	95	106382	50.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	28731	19.638	ug/l	99
3) Chloromethane	2.365	50	40574	21.127	ug/l	97
4) Vinyl Chloride	2.518	62	44290	21.165	ug/l	99
5) Bromomethane	2.953	94	27343	22.732	ug/l	90
6) Chloroethane	3.118	64	33401	24.457	ug/l	95
7) Trichlorofluoromethane	3.500	101	55080	17.975	ug/l	99
8) Diethyl Ether	3.959	74	21400	20.121	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.365	101	31215	19.155	ug/l	100
10) Methyl Iodide	4.589	142	32303	24.233	ug/l	94
11) Tert butyl alcohol	5.530	59	35511	96.367	ug/l	98
12) 1,1-Dichloroethene	4.347	96	28543	18.100	ug/l	82
13) Acrolein	4.189	56	34164	97.193	ug/l	97
14) Allyl chloride	5.024	41	47053	18.704	ug/l #	89
15) Acrylonitrile	5.724	53	104709	109.586	ug/l	100
16) Acetone	4.430	43	94423	111.388	ug/l	94
17) Carbon Disulfide	4.718	76	77392	15.702	ug/l	99
18) Methyl Acetate	5.030	43	79216	22.738	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	115816	21.414	ug/l	96
20) Methylene Chloride	5.283	84	42779	20.738	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	33681	18.411	ug/l	90
22) Diisopropyl ether	6.677	45	128442	23.270	ug/l #	91
23) Vinyl Acetate	6.606	43	370373	109.093	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	72117	21.195	ug/l	98
25) 2-Butanone	7.488	43	137580	111.859	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	57037	20.427	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	42225	20.186	ug/l	86
28) Bromochloromethane	7.818	49	28132	18.286	ug/l #	72
29) Tetrahydrofuran	7.841	42	89680	114.577	ug/l #	76
30) Chloroform	7.971	83	76549	21.608	ug/l	98
31) Cyclohexane	8.265	56	52425	17.988	ug/l	85
32) 1,1,1-Trichloroethane	8.177	97	60672	20.091	ug/l	97
36) 1,1-Dichloropropene	8.377	75	49609	18.026	ug/l	95
37) Ethyl Acetate	7.565	43	55891	20.361	ug/l #	92
38) Carbon Tetrachloride	8.365	117	50319	17.668	ug/l	98
39) Methylcyclohexane	9.606	83	44369	16.344	ug/l #	88
40) Benzene	8.612	78	159184	18.894	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	29952	21.641	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	61473	21.195	ug/l	97
43) Isopropyl Acetate	8.694	43	97014	21.660	ug/l #	88
44) Trichloroethene	9.353	130	35587	17.147	ug/l	91
45) 1,2-Dichloropropane	9.624	63	42364	20.261	ug/l	99
46) Dibromomethane	9.712	93	30153	21.244	ug/l	94
47) Bromodichloromethane	9.894	83	61082	21.010	ug/l	98
48) Methyl methacrylate	9.688	41	41526	20.698	ug/l #	82
49) 1,4-Dioxane	9.700	88	16327	395.664	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	283092	108.880	ug/l	89
52) Toluene	10.635	92	97188	18.771	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	60494	19.734	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	66507	20.284	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	42350	20.846	ug/l	96
56) Ethyl methacrylate	10.876	69	56859	19.826	ug/l #	81
57) 1,3-Dichloropropane	11.171	76	72178	20.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	112939	100.317	ug/l	89
59) 2-Hexanone	11.200	43	197573	104.915	ug/l	87
60) Dibromochloromethane	11.365	129	42633	19.718	ug/l	99
61) 1,2-Dibromoethane	11.476	107	39975	19.717	ug/l	99
64) Tetrachloroethene	11.106	164	30149	16.445	ug/l	94
65) Chlorobenzene	11.894	112	100424	17.632	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	39110	18.312	ug/l	99
67) Ethyl Benzene	11.970	91	170958	17.548	ug/l	99
68) m/p-Xylenes	12.076	106	131396	36.184	ug/l	96
69) o-Xylene	12.400	106	64178	18.428	ug/l	95
70) Styrene	12.418	104	104789	18.708	ug/l	98
71) Bromoform	12.582	173	27294	17.310	ug/l #	98
73) Isopropylbenzene	12.700	105	156721	17.294	ug/l	99
74) N-amyl acetate	12.500	43	65116	18.940	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.947	83	62003	18.374	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	56015m	20.867	ug/l	
77) Bromobenzene	12.988	156	39330	17.140	ug/l	95
78) n-propylbenzene	13.041	91	184543	18.129	ug/l	97
79) 2-Chlorotoluene	13.129	91	115178	17.299	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	133006	17.615	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	18334	18.777	ug/l	86
82) 4-Chlorotoluene	13.229	91	113048	18.070	ug/l	99
83) tert-Butylbenzene	13.447	119	107843	17.265	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	129795	18.049	ug/l	100
85) sec-Butylbenzene	13.623	105	144082	16.755	ug/l	99
86) p-Isopropyltoluene	13.735	119	116048	16.891	ug/l	100
87) 1,3-Dichlorobenzene	13.741	146	63808	16.954	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	63272	16.638	ug/l	99
89) n-Butylbenzene	14.059	91	89677	16.599	ug/l	95
90) Hexachloroethane	14.341	117	23650	16.951	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	65956	17.753	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9522	18.562	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	18800	14.081	ug/l	95
94) Hexachlorobutadiene	15.506	225	13473	12.828	ug/l	98
95) Naphthalene	15.647	128	49573	12.501	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	21584	13.705	ug/l	97

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

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