

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092523\
 Data File : VN079340.D
 Acq On : 25 Sep 2023 12:56
 Operator : JC\MD
 Sample : VN0925WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/26/2023
 Supervised By : Semsettin Yesilyurt 09/26/2023

Quant Time: Sep 26 06:18:58 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	154959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	251669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	125384	59.941	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.880%			
35) Dibromofluoromethane	8.171	113	95484	52.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.840%			
50) Toluene-d8	10.571	98	349265	52.222	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.853	95	110145	51.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	29703	19.373	ug/l	95
3) Chloromethane	2.365	50	38878	19.316	ug/l	95
4) Vinyl Chloride	2.518	62	44942	20.493	ug/l	93
5) Bromomethane	2.959	94	26018	20.639	ug/l	95
6) Chloroethane	3.118	64	32839	22.882	ug/l	99
7) Trichlorofluoromethane	3.495	101	58250	18.138	ug/l	100
8) Diethyl Ether	3.971	74	21762	19.524	ug/l	58
9) 1,1,2-Trichlorotrifluo...	4.377	101	32931	19.282	ug/l	97
10) Methyl Iodide	4.595	142	34093	24.404	ug/l	91
11) Tert butyl alcohol	5.530	59	30083	77.897	ug/l	100
12) 1,1-Dichloroethene	4.348	96	31237	18.900	ug/l	96
13) Acrolein	4.183	56	48029	130.377	ug/l	99
14) Allyl chloride	5.024	41	48043	18.223	ug/l	89
15) Acrylonitrile	5.724	53	102073	101.932	ug/l	98
16) Acetone	4.430	43	95721	107.746	ug/l	93
17) Carbon Disulfide	4.712	76	77576	15.018	ug/l	100
18) Methyl Acetate	5.030	43	81631	22.357	ug/l #	82
19) Methyl tert-butyl Ether	5.800	73	112787	19.898	ug/l	94
20) Methylene Chloride	5.277	84	40638	18.797	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	35246	18.384	ug/l #	80
22) Diisopropyl ether	6.677	45	128973	22.296	ug/l #	90
23) Vinyl Acetate	6.606	43	370442	104.114	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	74535	20.902	ug/l	97
25) 2-Butanone	7.489	43	136754	106.093	ug/l #	78
26) 2,2-Dichloropropane	7.489	77	58984	20.156	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	41923	19.124	ug/l	88
28) Bromochloromethane	7.812	49	36524	22.653	ug/l #	72
29) Tetrahydrofuran	7.847	42	87241	106.354	ug/l #	75
30) Chloroform	7.971	83	78919	21.256	ug/l	94
31) Cyclohexane	8.259	56	57359	18.780	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	63716	20.132	ug/l	96
36) 1,1-Dichloropropene	8.377	75	52212	18.597	ug/l	95
37) Ethyl Acetate	7.565	43	55025	19.650	ug/l #	92
38) Carbon Tetrachloride	8.365	117	53550	18.432	ug/l	98
39) Methylcyclohexane	9.606	83	47676	17.216	ug/l #	84
40) Benzene	8.612	78	161503	18.791	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	30267	21.437	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	62319	21.063	ug/l	98
43) Isopropyl Acetate	8.694	43	90426	19.790	ug/l #	90
44) Trichloroethene	9.353	130	37789	17.849	ug/l	95
45) 1,2-Dichloropropane	9.624	63	45171	21.178	ug/l	98
46) Dibromomethane	9.712	93	30439	21.022	ug/l	99
47) Bromodichloromethane	9.894	83	62318	21.013	ug/l	97
48) Methyl methacrylate	9.682	41	42391	20.713	ug/l #	78
49) 1,4-Dioxane	9.700	88	15673	372.320	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	283007	106.699	ug/l	88
52) Toluene	10.635	92	100128	18.957	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	59724	19.098	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	66044	19.746	ug/l #	88
55) 1,1,2-Trichloroethane	11.024	97	41919	20.226	ug/l	97
56) Ethyl methacrylate	10.882	69	56300	19.244	ug/l #	81
57) 1,3-Dichloropropane	11.171	76	72597	20.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	128677	111.491	ug/l	89
59) 2-Hexanone	11.200	43	194985	101.497	ug/l	87
60) Dibromochloromethane	11.365	129	43484	19.714	ug/l	99
61) 1,2-Dibromoethane	11.471	107	40198	19.436	ug/l	98
64) Tetrachloroethene	11.106	164	32784	17.865	ug/l	97
65) Chlorobenzene	11.894	112	102237	17.932	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	39810	18.621	ug/l	97
67) Ethyl Benzene	11.971	91	179408	18.397	ug/l	98
68) m/p-Xylenes	12.076	106	135571	37.297	ug/l	96
69) o-Xylene	12.400	106	63564	18.234	ug/l	92
70) Styrene	12.418	104	104250	18.594	ug/l	97
71) Bromoform	12.582	173	27207	17.238	ug/l #	97
73) Isopropylbenzene	12.700	105	164644	17.882	ug/l	98
74) N-amyl acetate	12.500	43	63585	18.202	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	62119	18.118	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	53895m	19.760	ug/l	
77) Bromobenzene	12.982	156	39797	17.070	ug/l	95
78) n-propylbenzene	13.041	91	195152	18.868	ug/l	96
79) 2-Chlorotoluene	13.129	91	120041	17.745	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	141473	18.440	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	15951	16.078	ug/l #	83
82) 4-Chlorotoluene	13.223	91	115906	18.234	ug/l	98
83) tert-Butylbenzene	13.441	119	109728	17.289	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	134949	18.470	ug/l	98
85) sec-Butylbenzene	13.618	105	161055	18.432	ug/l	99
86) p-Isopropyltoluene	13.735	119	125354	17.957	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	66662	17.433	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	65702	17.004	ug/l	98
89) n-Butylbenzene	14.059	91	97214	17.709	ug/l	97
90) Hexachloroethane	14.335	117	26842	18.935	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	66760	17.685	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9583	18.386	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	20225	14.909	ug/l	97
94) Hexachlorobutadiene	15.500	225	15774	14.782	ug/l	100
95) Naphthalene	15.647	128	50190	12.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	22222	13.887	ug/l	98

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

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