

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092523\
 Data File : VN079343.D
 Acq On : 25 Sep 2023 16:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 26 06:19:45 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	175876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	297282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123468	52.005	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.000%			
35) Dibromofluoromethane	8.171	113	97678	49.396	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.800%			
50) Toluene-d8	10.571	98	363122	50.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.853	95	122283	52.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	86434	49.669	ug/l	98
3) Chloromethane	2.365	50	112234	49.130	ug/l	98
4) Vinyl Chloride	2.518	62	129408	51.989	ug/l	96
5) Bromomethane	2.948	94	73814	51.591	ug/l	96
6) Chloroethane	3.118	64	88192	55.503	ug/l	99
7) Trichlorofluoromethane	3.495	101	181682	49.846	ug/l	97
8) Diethyl Ether	3.959	74	67707	53.519	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.377	101	104435	53.877	ug/l	99
10) Methyl Iodide	4.589	142	108676	68.538	ug/l	97
11) Tert butyl alcohol	5.524	59	83279	189.995	ug/l	100
12) 1,1-Dichloroethene	4.342	96	92791	49.467	ug/l	84
13) Acrolein	4.183	56	120916	289.196	ug/l	97
14) Allyl chloride	5.024	41	159526	53.312	ug/l #	90
15) Acrylonitrile	5.724	53	285391	251.103	ug/l	98
16) Acetone	4.430	43	303847	301.340	ug/l	94
17) Carbon Disulfide	4.718	76	223272	38.084	ug/l	98
18) Methyl Acetate	5.024	43	214488	51.758	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	334926	52.062	ug/l	95
20) Methylene Chloride	5.283	84	116001	47.275	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	103495	47.562	ug/l #	80
22) Diisopropyl ether	6.677	45	374816	57.089	ug/l #	89
23) Vinyl Acetate	6.606	43	1104482	273.500	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	215304	53.196	ug/l	98
25) 2-Butanone	7.489	43	395000	269.994	ug/l #	83
26) 2,2-Dichloropropane	7.494	77	175964	52.980	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	124580	50.070	ug/l	86
28) Bromochloromethane	7.818	49	98565	53.862	ug/l #	74
29) Tetrahydrofuran	7.841	42	246896	265.189	ug/l #	75
30) Chloroform	7.971	83	224233	53.212	ug/l	96
31) Cyclohexane	8.259	56	168274	48.541	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	185082	51.525	ug/l	94
36) 1,1-Dichloropropene	8.371	75	159220	52.237	ug/l	94
37) Ethyl Acetate	7.565	43	154684	50.880	ug/l #	89
38) Carbon Tetrachloride	8.359	117	158556	50.268	ug/l	98
39) Methylcyclohexane	9.606	83	158098	52.584	ug/l #	83
40) Benzene	8.606	78	472007	50.586	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	82019	53.507	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	172488	53.698	ug/l	97
43) Isopropyl Acetate	8.694	43	265571	53.536	ug/l #	89
44) Trichloroethene	9.359	130	111407	48.468	ug/l	100
45) 1,2-Dichloropropane	9.630	63	128191	55.358	ug/l	99
46) Dibromomethane	9.712	93	84843	53.971	ug/l	98
47) Bromodichloromethane	9.888	83	177858	55.239	ug/l	98
48) Methyl methacrylate	9.683	41	122148	54.973	ug/l #	82
49) 1,4-Dioxane	9.700	88	41537	908.877	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	810560	281.484	ug/l	90
52) Toluene	10.635	92	294421	51.344	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	180531	53.175	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	201117	55.385	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	120058	53.358	ug/l	97
56) Ethyl methacrylate	10.877	69	173760	54.707	ug/l #	79
57) 1,3-Dichloropropane	11.165	76	205806	52.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	438207	318.123	ug/l	90
59) 2-Hexanone	11.200	43	592897	284.274	ug/l	88
60) Dibromochloromethane	11.365	129	127386	53.197	ug/l	98
61) 1,2-Dibromoethane	11.471	107	115437	51.410	ug/l	97
64) Tetrachloroethene	11.106	164	91575	44.824	ug/l	96
65) Chlorobenzene	11.894	112	304699	48.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	115870	48.682	ug/l	98
67) Ethyl Benzene	11.965	91	570353	52.534	ug/l	96
68) m/p-Xylenes	12.076	106	423498	104.652	ug/l	94
69) o-Xylene	12.400	106	202493	52.174	ug/l	92
70) Styrene	12.418	104	347489	55.669	ug/l	98
71) Bromoform	12.582	173	83387	47.457	ug/l #	100
73) Isopropylbenzene	12.700	105	539342	46.399	ug/l	100
74) N-amyl acetate	12.494	43	215816	48.937	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	179195	41.399	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	152944m	44.417	ug/l	
77) Bromobenzene	12.982	156	120747	41.024	ug/l	94
78) n-propylbenzene	13.041	91	652005	49.932	ug/l	97
79) 2-Chlorotoluene	13.129	91	383429	44.895	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	454278	46.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	53347	42.593	ug/l	87
82) 4-Chlorotoluene	13.223	91	374537	46.671	ug/l	100
83) tert-Butylbenzene	13.441	119	369989	46.176	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	452548	49.061	ug/l	100
85) sec-Butylbenzene	13.618	105	548581	49.731	ug/l	99
86) p-Isopropyltoluene	13.735	119	447784	50.810	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	222987	46.190	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	216659	44.414	ug/l	99
89) n-Butylbenzene	14.059	91	380990	54.975	ug/l	98
90) Hexachloroethane	14.335	117	84210	47.053	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	218550	45.858	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28310	43.024	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	83900	48.989	ug/l	97
94) Hexachlorobutadiene	15.506	225	51961	38.569	ug/l	99
95) Naphthalene	15.641	128	215124	42.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	87912	43.517	ug/l	97

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

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