

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091523\
 Data File : VN079283.D
 Acq On : 15 Sep 2023 19:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Sep 16 01:58:28 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						09/18/2023
1) Pentafluorobenzene	8.229	168	175490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	317215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	287012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126741	50.000	ug/l	0.00
System Monitoring Compounds						09/18/2023
33) 1,2-Dichloroethane-d4	8.582	65	120310	50.786	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.580%
35) Dibromofluoromethane	8.171	113	95135	45.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.180%
50) Toluene-d8	10.570	98	361837	46.702	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.853	95	118035	47.761	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.520%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	91647	52.780	ug/l	99
3) Chloromethane	2.365	50	119391	52.378	ug/l	100
4) Vinyl Chloride	2.518	62	136460	54.943	ug/l	97
5) Bromomethane	2.942	94	70743	49.553	ug/l	99
6) Chloroethane	3.118	64	95147	60.092	ug/l	98
7) Trichlorofluoromethane	3.494	101	169395	46.577	ug/l	98
8) Diethyl Ether	3.965	74	64806	51.338	ug/l	67
9) 1,1,2-Trichlorotrifluo...	4.371	101	93259	48.217	ug/l	99
10) Methyl Iodide	4.589	142	102822	64.989	ug/l	99
11) Tert butyl alcohol	5.530	59	92124	210.637	ug/l	100
12) 1,1-Dichloroethene	4.341	96	90264	48.226	ug/l #	82
13) Acrolein	4.183	56	106510	255.301	ug/l	96
14) Allyl chloride	5.030	41	146236	48.978	ug/l #	93
15) Acrylonitrile	5.724	53	289362	255.157	ug/l	99
16) Acetone	4.430	43	227713	226.331	ug/l	93
17) Carbon Disulfide	4.712	76	240340	41.085	ug/l	98
18) Methyl Acetate	5.030	43	221041	53.456	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	334969	52.183	ug/l	95
20) Methylene Chloride	5.277	84	114363	46.710	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	102145	47.045	ug/l #	80
22) Diisopropyl ether	6.677	45	368149	56.196	ug/l #	90
23) Vinyl Acetate	6.606	43	1098166	272.534	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	209839	51.960	ug/l	98
25) 2-Butanone	7.488	43	370679	253.927	ug/l #	83
26) 2,2-Dichloropropane	7.494	77	151166	45.614	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	124913	50.314	ug/l	88
28) Bromochloromethane	7.818	49	105099	57.559	ug/l #	73
29) Tetrahydrofuran	7.841	42	251144	270.345	ug/l #	76
30) Chloroform	7.971	83	217179	51.651	ug/l	93
31) Cyclohexane	8.265	56	168693	48.769	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	185153	51.658	ug/l	95
36) 1,1-Dichloropropene	8.377	75	157522	48.433	ug/l	94
37) Ethyl Acetate	7.565	43	156562	48.262	ug/l #	91
38) Carbon Tetrachloride	8.365	117	159174	47.293	ug/l	95
39) Methylcyclohexane	9.606	83	151608	47.257	ug/l #	87
40) Benzene	8.612	78	472551	47.462	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.782	41	86513	52.892	ug/l	#	84
42) 1,2-Dichloroethane	8.677	62	166663	48.624	ug/l		99
43) Isopropyl Acetate	8.694	43	283227	53.508	ug/l	#	86
44) Trichloroethene	9.359	130	109281	44.556	ug/l		98
45) 1,2-Dichloropropane	9.623	63	125269	50.697	ug/l		96
46) Dibromomethane	9.712	93	82118	48.955	ug/l		94
47) Bromodichloromethane	9.894	83	172905	50.326	ug/l		96
48) Methyl methacrylate	9.688	41	124541	52.528	ug/l	#	81
49) 1,4-Dioxane	9.700	88	44872	920.153	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.447	43	800325	260.466	ug/l		90
52) Toluene	10.635	92	291265	47.602	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	177638	49.035	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	189913	49.013	ug/l	#	90
55) 1,1,2-Trichloroethane	11.018	97	117549	48.960	ug/l		96
56) Ethyl methacrylate	10.876	69	173878	51.304	ug/l	#	80
57) 1,3-Dichloropropane	11.165	76	202727	48.845	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	331955	234.593	ug/l		88
59) 2-Hexanone	11.200	43	582472	261.726	ug/l		87
60) Dibromochloromethane	11.365	129	120915	47.321	ug/l		98
61) 1,2-Dibromoethane	11.470	107	114837	47.929	ug/l		99
64) Tetrachloroethene	11.106	164	87063	41.601	ug/l		98
65) Chlorobenzene	11.894	112	300770	46.258	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	113698	46.633	ug/l		98
67) Ethyl Benzene	11.970	91	554089	49.822	ug/l		98
68) m/p-Xylenes	12.076	106	415481	100.229	ug/l		95
69) o-Xylene	12.406	106	201318	50.638	ug/l		92
70) Styrene	12.417	104	336497	52.626	ug/l		99
71) Bromoform	12.582	173	81487	45.272	ug/l	#	98
73) Isopropylbenzene	12.700	105	517041	44.839	ug/l		99
74) N-amyl acetate	12.500	43	213005	48.689	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	175642	40.905	ug/l		99
76) 1,2,3-Trichloropropane	13.000	75	134547m	39.389	ug/l		
77) Bromobenzene	12.982	156	116919	40.043	ug/l		94
78) n-propylbenzene	13.041	91	616859	47.621	ug/l		97
79) 2-Chlorotoluene	13.129	91	365947	43.194	ug/l		99
80) 1,3,5-Trimethylbenzene	13.176	105	429320	44.682	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	51213	41.218	ug/l	#	79
82) 4-Chlorotoluene	13.223	91	354565	44.538	ug/l		99
83) tert-Butylbenzene	13.441	119	345923	43.520	ug/l		98
84) 1,2,4-Trimethylbenzene	13.488	105	424969	46.442	ug/l		99
85) sec-Butylbenzene	13.623	105	497816	45.492	ug/l		100
86) p-Isopropyltoluene	13.735	119	399911	45.743	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	207505	43.329	ug/l		98
88) 1,4-Dichlorobenzene	13.817	146	199149	41.153	ug/l		99
89) n-Butylbenzene	14.059	91	324147	47.150	ug/l		98
90) Hexachloroethane	14.341	117	76527	43.105	ug/l		90
91) 1,2-Dichlorobenzene	14.111	146	203468	43.038	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27919	42.771	ug/l		99
93) 1,2,4-Trichlorobenzene	15.400	180	71208	41.913	ug/l		97
94) Hexachlorobutadiene	15.500	225	44642	33.403	ug/l		98
95) Naphthalene	15.647	128	201587	39.950	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	76498	38.172	ug/l		99

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

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