

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079655.D
 Acq On : 24 Oct 2023 13:24
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 01:36:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	264715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	454942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	415101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	207486	48.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.680%		
35) Dibromofluoromethane	8.171	113	165708	50.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.360%		
50) Toluene-d8	10.571	98	626962	53.000	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.000%		
62) 4-Bromofluorobenzene	12.853	95	209655	55.225	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	170801	45.028	ug/l	97
3) Chloromethane	2.365	50	191342	40.427	ug/l	99
4) Vinyl Chloride	2.518	62	219293	44.544	ug/l	100
5) Bromomethane	2.942	94	140417	47.645	ug/l	100
6) Chloroethane	3.118	64	152372	41.053	ug/l	98
7) Trichlorofluoromethane	3.495	101	274225	47.177	ug/l	99
8) Diethyl Ether	3.959	74	104765	50.556	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.371	101	159210	46.870	ug/l	100
10) Methyl Iodide	4.589	142	175770	59.632	ug/l	99
11) Tert butyl alcohol	5.524	59	152274	235.718	ug/l	100
12) 1,1-Dichloroethene	4.347	96	149014	47.645	ug/l	87
13) Acrolein	4.177	56	205035	318.754	ug/l	98
14) Allyl chloride	5.024	41	237093	46.975	ug/l	93
15) Acrylonitrile	5.718	53	436458	233.043	ug/l	98
16) Acetone	4.424	43	436001	256.108	ug/l	95
17) Carbon Disulfide	4.712	76	398464	40.843	ug/l	98
18) Methyl Acetate	5.024	43	367648	44.123	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	531496	52.301	ug/l	92
20) Methylene Chloride	5.277	84	183080	49.099	ug/l #	80
21) trans-1,2-Dichloroethene	5.783	96	165778	45.382	ug/l	86
22) Diisopropyl ether	6.677	45	594997	52.572	ug/l #	91
23) Vinyl Acetate	6.606	43	1607888	252.566	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	340470	49.154	ug/l	98
25) 2-Butanone	7.483	43	612160	242.273	ug/l #	78
26) 2,2-Dichloropropane	7.494	77	284124	53.675	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	201338	50.734	ug/l	87
28) Bromochloromethane	7.812	49	159188	48.302	ug/l #	74
29) Tetrahydrofuran	7.841	42	386662	236.612	ug/l #	75
30) Chloroform	7.965	83	347613	49.670	ug/l	92
31) Cyclohexane	8.259	56	267042	43.862	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	293904	49.902	ug/l	95
36) 1,1-Dichloropropene	8.377	75	255358	52.041	ug/l	94
37) Ethyl Acetate	7.559	43	244027	49.979	ug/l #	89
38) Carbon Tetrachloride	8.365	117	252456	51.393	ug/l	98
39) Methylcyclohexane	9.606	83	245669	52.111	ug/l #	86
40) Benzene	8.606	78	746736	51.243	ug/l	98

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41) Methacrylonitrile	7.782	41	128282	49.976	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	270671	51.117	ug/l	98
43) Isopropyl Acetate	8.688	43	413783	48.373	ug/l #	89
44) Trichloroethene	9.353	130	175572	51.189	ug/l	97
45) 1,2-Dichloropropane	9.624	63	199890	52.061	ug/l	93
46) Dibromomethane	9.712	93	129914	52.243	ug/l	95
47) Bromodichloromethane	9.888	83	275409	53.841	ug/l	98
48) Methyl methacrylate	9.682	41	197843	53.974	ug/l #	79
49) 1,4-Dioxane	9.700	88	63995	947.828	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	1235374	255.839	ug/l	90
52) Toluene	10.635	92	459318	53.546	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	294424	57.116	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	316956	56.168	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	181745	52.775	ug/l	96
56) Ethyl methacrylate	10.876	69	275004	58.114	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	324181	54.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	622717	343.614	ug/l	89
59) 2-Hexanone	11.200	43	915597	262.768	ug/l	88
60) Dibromochloromethane	11.365	129	195842	56.584	ug/l	99
61) 1,2-Dibromoethane	11.470	107	180840	52.915	ug/l	98
64) Tetrachloroethene	11.106	164	140645	49.253	ug/l	97
65) Chlorobenzene	11.894	112	483653	52.319	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	180392	53.295	ug/l	96
67) Ethyl Benzene	11.965	91	890495	55.421	ug/l	95
68) m/p-Xylenes	12.076	106	663945	113.725	ug/l	95
69) o-Xylene	12.400	106	319273	55.608	ug/l	93
70) Styrene	12.412	104	533595	58.837	ug/l	98
71) Bromoform	12.582	173	128835	52.007	ug/l #	99
73) Isopropylbenzene	12.700	105	819857	49.260	ug/l	99
74) N-amyl acetate	12.500	43	338439	49.601	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	265474	49.403	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	236127m	45.777	ug/l	
77) Bromobenzene	12.982	156	188605	46.215	ug/l	95
78) n-propylbenzene	13.041	91	979320	52.006	ug/l	97
79) 2-Chlorotoluene	13.129	91	590115	48.973	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	673903	51.348	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	81048	45.590	ug/l #	87
82) 4-Chlorotoluene	13.223	91	580172	50.598	ug/l	99
83) tert-Butylbenzene	13.441	119	570716	53.076	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	680138	54.302	ug/l	99
85) sec-Butylbenzene	13.617	105	781598	52.112	ug/l	100
86) p-Isopropyltoluene	13.735	119	638258	55.472	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	336528	51.991	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	328986	49.224	ug/l	99
89) n-Butylbenzene	14.059	91	528415	57.510	ug/l	98
90) Hexachloroethane	14.335	117	121957	52.257	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	318811	50.495	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	42020	43.661	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	129972	66.467	ug/l	98
94) Hexachlorobutadiene	15.506	225	94793	62.241	ug/l	99
95) Naphthalene	15.647	128	332803	55.734	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	138423	59.319	ug/l	97

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

