

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080564.D
 Acq On : 21 Dec 2023 10:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 22 03:51:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/22/2023
 Supervised By : Mahesh Dadoda 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	297607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	456820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	396518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	183818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	207515	54.593	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.180%			
35) Dibromofluoromethane	8.165	113	166955	57.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.280%			
50) Toluene-d8	10.565	98	604245	55.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.880%			
62) 4-Bromofluorobenzene	12.853	95	218082	53.167	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	183897	48.353	ug/l	97
3) Chloromethane	2.365	50	165289	41.104	ug/l	97
4) Vinyl Chloride	2.518	62	143108	44.061	ug/l	97
5) Bromomethane	2.959	94	65873	44.985	ug/l	97
6) Chloroethane	3.124	64	91184	43.690	ug/l	99
7) Trichlorofluoromethane	3.501	101	308397	46.815	ug/l	98
8) Diethyl Ether	3.959	74	100835	48.596	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	152155	48.730	ug/l	96
10) Methyl Iodide	4.583	142	112577	40.990	ug/l	95
11) Tert butyl alcohol	5.512	59	99258	221.723	ug/l	98
12) 1,1-Dichloroethene	4.342	96	149628	46.768	ug/l	86
13) Acrolein	4.177	56	148928	303.775	ug/l	97
14) Allyl chloride	5.018	41	190505	48.127	ug/l	99
15) Acrylonitrile	5.712	53	336719	266.200	ug/l	99
16) Acetone	4.418	43	186561	276.804	ug/l	99
17) Carbon Disulfide	4.706	76	380998	42.021	ug/l	99
18) Methyl Acetate	5.012	43	238301	54.950	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	551848	51.700	ug/l	99
20) Methylene Chloride	5.277	84	171676	47.596	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	169463	48.850	ug/l #	84
22) Diisopropyl ether	6.665	45	449642	52.631	ug/l	94
23) Vinyl Acetate	6.600	43	1169753	238.396	ug/l	94
24) 1,1-Dichloroethane	6.565	63	302545	50.757	ug/l	99
25) 2-Butanone	7.483	43	353525	272.283	ug/l	88
26) 2,2-Dichloropropane	7.489	77	296268	48.608	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	200145	50.970	ug/l	93
28) Bromochloromethane	7.812	49	124347	54.333	ug/l	95
29) Tetrahydrofuran	7.836	42	239311	257.396	ug/l	92
30) Chloroform	7.965	83	338793	51.205	ug/l	97
31) Cyclohexane	8.253	56	228196	44.146	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	322291	49.750	ug/l	99
36) 1,1-Dichloropropene	8.371	75	244441	51.615	ug/l	96
37) Ethyl Acetate	7.553	43	152443	51.404	ug/l	99
38) Carbon Tetrachloride	8.365	117	280431	49.557	ug/l	97
39) Methylcyclohexane	9.600	83	225427	45.820	ug/l	90
40) Benzene	8.606	78	701190	51.274	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	90910	53.173	ug/l	94
42) 1,2-Dichloroethane	8.671	62	258681	51.081	ug/l	98
43) Isopropyl Acetate	8.688	43	281348	52.764	ug/l	96
44) Trichloroethene	9.353	130	183039	49.648	ug/l	100
45) 1,2-Dichloropropane	9.618	63	175816	54.738	ug/l	99
46) Dibromomethane	9.706	93	118815	51.510	ug/l	91
47) Bromodichloromethane	9.888	83	262523	53.105	ug/l	97
48) Methyl methacrylate	9.682	41	164959	51.841	ug/l	88
49) 1,4-Dioxane	9.688	88	44514	922.934	ug/l #	84
51) 4-Methyl-2-Pentanone	10.441	43	786246	267.733	ug/l	99
52) Toluene	10.630	92	451460	52.257	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	281620	52.653	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	296220	51.815	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	166835	53.669	ug/l	94
56) Ethyl methacrylate	10.871	69	180106	52.332	ug/l #	90
57) 1,3-Dichloropropane	11.165	76	282049	51.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	559330	257.435	ug/l	98
59) 2-Hexanone	11.194	43	556342	256.616	ug/l	100
60) Dibromochloromethane	11.359	129	192406	52.234	ug/l	98
61) 1,2-Dibromoethane	11.471	107	162190	50.412	ug/l	97
64) Tetrachloroethene	11.106	164	151622	49.526	ug/l	99
65) Chlorobenzene	11.894	112	454108	51.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	180305	52.095	ug/l	96
67) Ethyl Benzene	11.965	91	810946	50.000	ug/l	98
68) m/p-Xylenes	12.071	106	595561	99.372	ug/l	89
69) o-Xylene	12.400	106	288242	49.171	ug/l	90
70) Styrene	12.412	104	435810	51.612	ug/l	95
71) Bromoform	12.576	173	127190	50.393	ug/l #	99
73) Isopropylbenzene	12.694	105	746486	50.553	ug/l	98
74) N-amyl acetate	12.494	43	220173	51.059	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	204625	51.713	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	191227m	52.147	ug/l	
77) Bromobenzene	12.982	156	186225	51.265	ug/l	97
78) n-propylbenzene	13.035	91	850742	52.253	ug/l	98
79) 2-Chlorotoluene	13.123	91	547022	51.464	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	642830	50.546	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	69701m	49.905	ug/l	
82) 4-Chlorotoluene	13.223	91	550354	50.374	ug/l	96
83) tert-Butylbenzene	13.441	119	520197	49.945	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	653408	51.645	ug/l	98
85) sec-Butylbenzene	13.618	105	679621	51.010	ug/l	100
86) p-Isopropyltoluene	13.729	119	613124	50.966	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	317431	49.597	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	316701	49.021	ug/l	97
89) n-Butylbenzene	14.059	91	510959	50.860	ug/l	98
90) Hexachloroethane	14.335	117	93735	49.062	ug/l	69
91) 1,2-Dichlorobenzene	14.106	146	306994	50.514	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	42822	51.450	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	170911	50.651	ug/l	96
94) Hexachlorobutadiene	15.506	225	87213	45.400	ug/l	100
95) Naphthalene	15.641	128	523020	51.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	162320	49.850	ug/l	97

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

