

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112823\
 Data File : VN080289.D
 Acq On : 28 Nov 2023 11:45
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

Quant Time: Nov 29 00:32:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	230895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	360465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	165310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	186754	48.985	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.980%		
35) Dibromofluoromethane	8.165	113	138462	52.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.120%		
50) Toluene-d8	10.565	98	484011	50.481	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.960%		
62) 4-Bromofluorobenzene	12.847	95	184521	50.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	148155	43.077	ug/l	97
3) Chloromethane	2.366	50	117489	45.436	ug/l	99
4) Vinyl Chloride	2.518	62	125652	45.917	ug/l	97
5) Bromomethane	2.948	94	85883	46.231	ug/l	97
6) Chloroethane	3.118	64	83493	49.328	ug/l	99
7) Trichlorofluoromethane	3.501	101	251951	44.137	ug/l	99
8) Diethyl Ether	3.960	74	84366	50.818	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	120675	46.251	ug/l	97
10) Methyl Iodide	4.589	142	141537	50.195	ug/l #	87
11) Tert butyl alcohol	5.507	59	102377	244.191	ug/l	99
12) 1,1-Dichloroethene	4.342	96	110221	45.165	ug/l #	75
13) Acrolein	4.171	56	99525	268.239	ug/l	95
14) Allyl chloride	5.024	41	141207	45.990	ug/l	94
15) Acrylonitrile	5.712	53	271894	241.578	ug/l	98
16) Acetone	4.418	43	261918	204.542	ug/l	96
17) Carbon Disulfide	4.707	76	292655	40.163	ug/l	99
18) Methyl Acetate	5.024	43	199809	48.565	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	440282	51.087	ug/l	98
20) Methylene Chloride	5.271	84	139521	52.029	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	126718	47.266	ug/l	84
22) Diisopropyl ether	6.671	45	360577	53.080	ug/l	98
23) Vinyl Acetate	6.601	43	985211	241.243	ug/l	94
24) 1,1-Dichloroethane	6.565	63	238531	48.211	ug/l	99
25) 2-Butanone	7.477	43	323862	212.872	ug/l	94
26) 2,2-Dichloropropane	7.489	77	229684	46.792	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	154762	50.916	ug/l	88
28) Bromochloromethane	7.812	49	103726	53.327	ug/l	97
29) Tetrahydrofuran	7.836	42	200884	245.941	ug/l	92
30) Chloroform	7.965	83	286065	51.730	ug/l	94
31) Cyclohexane	8.259	56	164787	39.745	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	260310	48.269	ug/l	99
36) 1,1-Dichloropropene	8.371	75	184110	47.811	ug/l	96
37) Ethyl Acetate	7.559	43	133707	50.058	ug/l	96
38) Carbon Tetrachloride	8.359	117	232307	47.539	ug/l	100
39) Methylcyclohexane	9.600	83	166775	44.917	ug/l #	89
40) Benzene	8.606	78	550814	50.328	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	78112	53.251	ug/l	92
42) 1,2-Dichloroethane	8.671	62	232826	51.998	ug/l	96
43) Isopropyl Acetate	8.689	43	225660	43.414	ug/l	98
44) Trichloroethene	9.353	130	147072	51.229	ug/l	97
45) 1,2-Dichloropropane	9.618	63	133328	52.421	ug/l	99
46) Dibromomethane	9.706	93	103175	53.590	ug/l	91
47) Bromodichloromethane	9.889	83	229735	54.246	ug/l	93
48) Methyl methacrylate	9.683	41	137493	51.329	ug/l	89
49) 1,4-Dioxane	9.694	88	44033	988.124	ug/l	90
51) 4-Methyl-2-Pentanone	10.441	43	671245	249.438	ug/l	98
52) Toluene	10.630	92	354226	51.717	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	229628	52.773	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	245308	55.182	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	142017	54.326	ug/l	98
56) Ethyl methacrylate	10.877	69	149293	55.903	ug/l	91
57) 1,3-Dichloropropane	11.165	76	244869	53.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	381689	253.693	ug/l	97
59) 2-Hexanone	11.194	43	497587	230.109	ug/l	98
60) Dibromochloromethane	11.359	129	172576	55.141	ug/l	99
61) 1,2-Dibromoethane	11.471	107	138211	51.824	ug/l	99
64) Tetrachloroethene	11.106	164	145867	56.357	ug/l	96
65) Chlorobenzene	11.894	112	378590	49.264	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	158253	53.065	ug/l	94
67) Ethyl Benzene	11.965	91	673515	49.252	ug/l	96
68) m/p-Xylenes	12.071	106	505764	101.438	ug/l	88
69) o-Xylene	12.400	106	246437	52.446	ug/l	90
70) Styrene	12.412	104	375245	53.654	ug/l	94
71) Bromoform	12.583	173	115184	52.082	ug/l #	100
73) Isopropylbenzene	12.694	105	622689	48.474	ug/l	99
74) N-amyl acetate	12.494	43	180130	44.966	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	170638	44.383	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	168767m	41.667	ug/l	
77) Bromobenzene	12.982	156	164454	50.778	ug/l	96
78) n-propylbenzene	13.035	91	705399	49.107	ug/l	98
79) 2-Chlorotoluene	13.124	91	465431	49.887	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	555324	49.661	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	58069	48.438	ug/l #	79
82) 4-Chlorotoluene	13.224	91	473124	49.501	ug/l	96
83) tert-Butylbenzene	13.441	119	428208	47.752	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	556604	50.550	ug/l	97
85) sec-Butylbenzene	13.618	105	547618	48.274	ug/l	100
86) p-Isopropyltoluene	13.730	119	510340	50.361	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	283050	48.508	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	286054	48.782	ug/l	97
89) n-Butylbenzene	14.059	91	408365	48.146	ug/l	99
90) Hexachloroethane	14.335	117	89768	45.439	ug/l	70
91) 1,2-Dichlorobenzene	14.106	146	278753	49.922	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	39893	44.672	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	146510	45.113	ug/l	98
94) Hexachlorobutadiene	15.500	225	79674	42.632	ug/l	98
95) Naphthalene	15.641	128	401806	42.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	138703	45.566	ug/l	99

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

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