

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080448.D
 Acq On : 12 Dec 2023 19:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 13 02:36:41 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 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	307253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	486021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	436431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	208478	53.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.240%			
35) Dibromofluoromethane	8.165	113	157308	51.048	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.100%			
50) Toluene-d8	10.565	98	587247	51.098	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.847	95	215833	49.457	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	188090	47.903	ug/l	98
3) Chloromethane	2.360	50	184028	44.311	ug/l	97
4) Vinyl Chloride	2.512	62	151548	45.195	ug/l	99
5) Bromomethane	2.954	94	64945	42.958	ug/l	94
6) Chloroethane	3.118	64	99869	46.349	ug/l	99
7) Trichlorofluoromethane	3.495	101	322416	47.406	ug/l	99
8) Diethyl Ether	3.959	74	100084	46.720	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.377	101	154525	47.935	ug/l	96
10) Methyl Iodide	4.589	142	122532	43.214	ug/l	98
11) Tert butyl alcohol	5.506	59	107357	232.285	ug/l	99
12) 1,1-Dichloroethene	4.342	96	151683	45.922	ug/l	86
13) Acrolein	4.171	56	111834	220.951	ug/l	98
14) Allyl chloride	5.024	41	185846	45.476	ug/l	97
15) Acrylonitrile	5.718	53	324409	248.417	ug/l	99
16) Acetone	4.418	43	251648	361.653	ug/l	100
17) Carbon Disulfide	4.712	76	411369	43.946	ug/l	99
18) Methyl Acetate	5.018	43	222152	49.618	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	534819	48.532	ug/l	100
20) Methylene Chloride	5.277	84	166324	44.665	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	164109	45.821	ug/l #	84
22) Diisopropyl ether	6.671	45	418971	47.501	ug/l	95
23) Vinyl Acetate	6.600	43	1212702	239.390	ug/l	93
24) 1,1-Dichloroethane	6.571	63	291702	47.402	ug/l	99
25) 2-Butanone	7.477	43	369880	275.936	ug/l	95
26) 2,2-Dichloropropane	7.494	77	280223	44.532	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	188374	46.466	ug/l	89
28) Bromochloromethane	7.812	49	110877	46.927	ug/l	99
29) Tetrahydrofuran	7.836	42	235068	244.894	ug/l	93
30) Chloroform	7.965	83	329692	48.265	ug/l	94
31) Cyclohexane	8.259	56	232396	43.547	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	315499	47.173	ug/l	99
36) 1,1-Dichloropropene	8.371	75	239002	47.435	ug/l	96
37) Ethyl Acetate	7.559	43	151978	48.168	ug/l	99
38) Carbon Tetrachloride	8.365	117	284932	47.327	ug/l	97
39) Methylcyclohexane	9.600	83	235166	44.928	ug/l	95
40) Benzene	8.606	78	677813	46.586	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	92021	50.589	ug/l	92
42) 1,2-Dichloroethane	8.671	62	259891	48.236	ug/l	97
43) Isopropyl Acetate	8.688	43	274703	48.422	ug/l	98
44) Trichloroethene	9.353	130	179054	45.649	ug/l	96
45) 1,2-Dichloropropane	9.618	63	156810	45.888	ug/l	99
46) Dibromomethane	9.706	93	115480	47.057	ug/l	90
47) Bromodichloromethane	9.888	83	256505	48.770	ug/l	96
48) Methyl methacrylate	9.683	41	161451	47.690	ug/l	90
49) 1,4-Dioxane	9.694	88	46448	905.172	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	776210	248.435	ug/l	99
52) Toluene	10.630	92	429396	46.717	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	266518	46.835	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	284727	46.812	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	160243	48.452	ug/l	99
56) Ethyl methacrylate	10.877	69	177709	48.533	ug/l	92
57) 1,3-Dichloropropane	11.165	76	276536	47.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	558733	241.710	ug/l	99
59) 2-Hexanone	11.194	43	572967	248.406	ug/l	98
60) Dibromochloromethane	11.359	129	187661	47.885	ug/l	100
61) 1,2-Dibromoethane	11.471	107	163602	47.795	ug/l	99
64) Tetrachloroethene	11.106	164	152731	45.326	ug/l	99
65) Chlorobenzene	11.894	112	446551	45.996	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	176222	46.259	ug/l	95
67) Ethyl Benzene	11.965	91	823990	46.158	ug/l	97
68) m/p-Xylenes	12.071	106	612995	92.927	ug/l	90
69) o-Xylene	12.400	106	297112	46.048	ug/l	89
70) Styrene	12.412	104	441347	47.488	ug/l	93
71) Bromoform	12.582	173	123946	44.617	ug/l #	98
73) Isopropylbenzene	12.694	105	776338	48.678	ug/l	98
74) N-amyl acetate	12.494	43	226473	48.628	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	201387	47.124	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	190272m	48.041	ug/l	
77) Bromobenzene	12.982	156	185526	47.289	ug/l	97
78) n-propylbenzene	13.035	91	867210	49.318	ug/l	99
79) 2-Chlorotoluene	13.124	91	549206	47.841	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	666346	48.513	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	70027	46.423	ug/l	93
82) 4-Chlorotoluene	13.224	91	557100	47.213	ug/l	96
83) tert-Butylbenzene	13.441	119	547259	48.650	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	663533	48.559	ug/l	98
85) sec-Butylbenzene	13.618	105	687844	47.801	ug/l	99
86) p-Isopropyltoluene	13.729	119	625470	48.140	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	312148	45.158	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	320338	45.910	ug/l	98
89) n-Butylbenzene	14.059	91	498962	45.986	ug/l	98
90) Hexachloroethane	14.335	117	96532	46.782	ug/l	72
91) 1,2-Dichlorobenzene	14.106	146	298471	45.472	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43875	48.809	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	172510	47.336	ug/l	98
94) Hexachlorobutadiene	15.500	225	88641	42.724	ug/l	99
95) Naphthalene	15.641	128	528378	47.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	161365	45.884	ug/l	96

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

