

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080537.D
 Acq On : 20 Dec 2023 10:57
 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 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 02:37:49 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	278327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	428466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181410	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	197081	55.440	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.880%	
35) Dibromofluoromethane	8.165	113	151312	55.698	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.400%	
50) Toluene-d8	10.565	98	562836	55.552	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.100%	
62) 4-Bromofluorobenzene	12.847	95	200083	52.007	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.020%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	174231	48.985	ug/l	98
3) Chloromethane	2.360	50	156671	41.658	ug/l	99
4) Vinyl Chloride	2.512	62	130815	43.066	ug/l	99
5) Bromomethane	2.954	94	63325	46.240	ug/l	95
6) Chloroethane	3.124	64	85986	44.054	ug/l	93
7) Trichlorofluoromethane	3.495	101	299523	48.617	ug/l	100
8) Diethyl Ether	3.954	74	94093	48.488	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	145998	49.997	ug/l	96
10) Methyl Iodide	4.589	142	107436	41.828	ug/l	92
11) Tert butyl alcohol	5.506	59	95969	229.226	ug/l	100
12) 1,1-Dichloroethene	4.336	96	139969	46.780	ug/l	85
13) Acrolein	4.171	56	145341	316.994	ug/l	99
14) Allyl chloride	5.024	41	174640	47.175	ug/l	97
15) Acrylonitrile	5.712	53	312419	264.099	ug/l	100
16) Acetone	4.418	43	181774	288.384	ug/l	99
17) Carbon Disulfide	4.706	76	369143	43.533	ug/l	98
18) Methyl Acetate	5.018	43	220799	54.441	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	507642	50.853	ug/l	99
20) Methylene Chloride	5.271	84	162676	48.225	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	161185	49.682	ug/l #	83
22) Diisopropyl ether	6.671	45	428174	53.590	ug/l	91
23) Vinyl Acetate	6.595	43	1136210	247.600	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	290832	52.172	ug/l	99
25) 2-Butanone	7.477	43	326261	268.692	ug/l	91
26) 2,2-Dichloropropane	7.489	77	282353	49.534	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	187536	51.067	ug/l	91
28) Bromochloromethane	7.812	49	108783	50.825	ug/l	100
29) Tetrahydrofuran	7.836	42	211302	243.013	ug/l	94
30) Chloroform	7.965	83	327066	52.857	ug/l	91
31) Cyclohexane	8.253	56	223610	46.255	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	310983	51.330	ug/l	99
36) 1,1-Dichloropropene	8.371	75	230393	51.868	ug/l	97
37) Ethyl Acetate	7.553	43	135640	48.765	ug/l	98
38) Carbon Tetrachloride	8.359	117	272220	51.289	ug/l	97
39) Methylcyclohexane	9.606	83	221518	48.005	ug/l	91
40) Benzene	8.606	78	671266	52.334	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	82147	51.228	ug/l	96
42) 1,2-Dichloroethane	8.671	62	250023	52.638	ug/l	98
43) Isopropyl Acetate	8.683	43	259734	51.934	ug/l	97
44) Trichloroethene	9.353	130	174228	50.386	ug/l	99
45) 1,2-Dichloropropane	9.618	63	158119	52.486	ug/l	96
46) Dibromomethane	9.706	93	115776	53.515	ug/l	93
47) Bromodichloromethane	9.888	83	250697	54.068	ug/l	98
48) Methyl methacrylate	9.677	41	152580	51.124	ug/l	90
49) 1,4-Dioxane	9.694	88	45635	1008.791	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	724837	263.156	ug/l	99
52) Toluene	10.630	92	427205	52.722	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	262562	52.338	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	276073	51.486	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	156935	53.825	ug/l	97
56) Ethyl methacrylate	10.871	69	170701	52.881	ug/l #	92
57) 1,3-Dichloropropane	11.165	76	272625	53.340	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	531471	260.800	ug/l	98
59) 2-Hexanone	11.194	43	534439	262.826	ug/l	98
60) Dibromochloromethane	11.359	129	186839	54.079	ug/l	98
61) 1,2-Dibromoethane	11.471	107	156419	51.835	ug/l	99
64) Tetrachloroethene	11.106	164	146660	49.737	ug/l	95
65) Chlorobenzene	11.894	112	434124	51.098	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	172104	51.627	ug/l	93
67) Ethyl Benzene	11.965	91	804373	51.491	ug/l	96
68) m/p-Xylenes	12.071	106	593968	102.895	ug/l	90
69) o-Xylene	12.400	106	284658	50.416	ug/l	88
70) Styrene	12.412	104	436470	53.667	ug/l	95
71) Bromoform	12.582	173	120091	49.399	ug/l #	97
73) Isopropylbenzene	12.694	105	742417	50.944	ug/l	99
74) N-amyl acetate	12.494	43	207544	48.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	191039	48.921	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	171387m	47.357	ug/l	
77) Bromobenzene	12.982	156	176445	49.218	ug/l	96
78) n-propylbenzene	13.035	91	811297	50.492	ug/l	100
79) 2-Chlorotoluene	13.124	91	516894	49.275	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	621599	49.525	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	63657	46.182	ug/l #	78
82) 4-Chlorotoluene	13.224	91	536796	49.785	ug/l	96
83) tert-Butylbenzene	13.441	119	503812	49.014	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	633106	50.705	ug/l	99
85) sec-Butylbenzene	13.618	105	668702	50.856	ug/l	100
86) p-Isopropyltoluene	13.729	119	610026	51.381	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	313306	49.603	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	314494	49.325	ug/l	98
89) n-Butylbenzene	14.059	91	509242	51.362	ug/l	100
90) Hexachloroethane	14.335	117	95090	50.432	ug/l	70
91) 1,2-Dichlorobenzene	14.106	146	299384	49.915	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40038	48.744	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	169828	50.998	ug/l	98
94) Hexachlorobutadiene	15.500	225	85983	45.354	ug/l	99
95) Naphthalene	15.641	128	514520	50.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	163115	50.759	ug/l	96

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

