

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083225.D
 Acq On : 12 Aug 2024 09:48
 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 08/13/2024
 Supervised By : Semsettin Yesilyurt 08/13/2024

Quant Time: Aug 13 04:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143028	55.922	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.840%			
35) Dibromofluoromethane	8.165	113	104502	54.912	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.820%			
50) Toluene-d8	10.565	98	395152	55.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.320%			
62) 4-Bromofluorobenzene	12.847	95	154465	55.812	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 111.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	106167	52.102	ug/l	97
3) Chloromethane	2.365	50	104742	50.208	ug/l	99
4) Vinyl Chloride	2.518	62	109254	51.324	ug/l	97
5) Bromomethane	2.948	94	69185	52.379	ug/l	96
6) Chloroethane	3.118	64	68932	51.759	ug/l	98
7) Trichlorofluoromethane	3.495	101	189534	53.897	ug/l	100
8) Diethyl Ether	3.959	74	65541	50.087	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	104659	53.981	ug/l	99
10) Methyl Iodide	4.583	142	129623	50.825	ug/l	96
11) Tert butyl alcohol	5.524	59	127596	240.055	ug/l	98
12) 1,1-Dichloroethene	4.342	96	97400	48.898	ug/l	91
13) Acrolein	4.177	56	87627	252.950	ug/l	99
14) Allyl chloride	5.018	41	165647	44.007	ug/l	94
15) Acrylonitrile	5.718	53	262352	239.993	ug/l	100
16) Acetone	4.424	43	275489	275.268	ug/l	98
17) Carbon Disulfide	4.712	76	267918	45.969	ug/l	99
18) Methyl Acetate	5.018	43	147849	49.583	ug/l	92
19) Methyl tert-butyl Ether	5.795	73	370016	51.465	ug/l	99
20) Methylene Chloride	5.271	84	110503	47.976	ug/l	83
21) trans-1,2-Dichloroethene	5.783	96	102315	49.699	ug/l	89
22) Diisopropyl ether	6.671	45	368873	52.134	ug/l	95
23) Vinyl Acetate	6.600	43	1888229	260.362	ug/l	95
24) 1,1-Dichloroethane	6.565	63	202988	52.633	ug/l	98
25) 2-Butanone	7.483	43	369634	240.537	ug/l	93
26) 2,2-Dichloropropane	7.489	77	200252	55.911	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	126965	51.108	ug/l	95
28) Bromochloromethane	7.812	49	81813	51.908	ug/l	86
29) Tetrahydrofuran	7.836	42	234788	236.354	ug/l	89
30) Chloroform	7.965	83	216764	54.100	ug/l	99
31) Cyclohexane	8.253	56	178073	46.981	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	201020	53.003	ug/l	97
36) 1,1-Dichloropropene	8.371	75	151169	52.510	ug/l	100
37) Ethyl Acetate	7.559	43	151279	46.932	ug/l #	98
38) Carbon Tetrachloride	8.359	117	178753	55.128	ug/l	97
39) Methylcyclohexane	9.600	83	185545	52.473	ug/l	93
40) Benzene	8.606	78	456196	53.193	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	88370	48.217	ug/l	96
42) 1,2-Dichloroethane	8.671	62	169788	54.347	ug/l	99
43) Isopropyl Acetate	8.689	43	282277	50.529	ug/l #	94
44) Trichloroethene	9.353	130	108403	53.104	ug/l	93
45) 1,2-Dichloropropane	9.618	63	109843	53.957	ug/l	98
46) Dibromomethane	9.712	93	79172	54.334	ug/l	99
47) Bromodichloromethane	9.888	83	176954	54.085	ug/l	100
48) Methyl methacrylate	9.677	41	131746	49.438	ug/l	93
49) 1,4-Dioxane	9.700	88	43204	898.633	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	772166	253.325	ug/l	93
52) Toluene	10.630	92	293708	54.202	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	185568	55.216	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	193978	54.265	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	105866	54.516	ug/l	97
56) Ethyl methacrylate	10.871	69	190644	52.076	ug/l	88
57) 1,3-Dichloropropane	11.165	76	187296	54.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	400965	259.113	ug/l	96
59) 2-Hexanone	11.194	43	593714	251.771	ug/l	93
60) Dibromochloromethane	11.359	129	129486	55.151	ug/l	100
61) 1,2-Dibromoethane	11.471	107	108519	53.196	ug/l	97
64) Tetrachloroethene	11.106	164	94303	53.298	ug/l	97
65) Chlorobenzene	11.894	112	312834	52.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	111819	53.701	ug/l	98
67) Ethyl Benzene	11.965	91	576944	53.269	ug/l	99
68) m/p-Xylenes	12.071	106	434899	107.195	ug/l	98
69) o-Xylene	12.400	106	209334	52.315	ug/l	98
70) Styrene	12.412	104	362959	54.007	ug/l	98
71) Bromoform	12.576	173	85089	53.942	ug/l #	100
73) Isopropylbenzene	12.694	105	556582	51.874	ug/l	99
74) N-amyl acetate	12.494	43	244139	46.518	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	147975	48.762	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	135692m	48.197	ug/l	
77) Bromobenzene	12.982	156	124716	52.326	ug/l	96
78) n-propylbenzene	13.035	91	654772	52.997	ug/l	99
79) 2-Chlorotoluene	13.124	91	404389	51.627	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	471752	52.517	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	60244	46.546	ug/l	93
82) 4-Chlorotoluene	13.224	91	410875	52.295	ug/l	97
83) tert-Butylbenzene	13.441	119	410725	51.631	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	477317	52.727	ug/l	99
85) sec-Butylbenzene	13.618	105	567147	52.249	ug/l	100
86) p-Isopropyltoluene	13.729	119	479994	53.556	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	232420	51.823	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	234120	51.781	ug/l	98
89) n-Butylbenzene	14.053	91	431446	55.556	ug/l	99
90) Hexachloroethane	14.335	117	90014	51.985	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	221401	51.015	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	33146	45.011	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	127272	52.346	ug/l	98
94) Hexachlorobutadiene	15.500	225	52994	49.009	ug/l	98
95) Naphthalene	15.641	128	420146	48.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	122246	50.813	ug/l	98

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

