

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081087.D
 Acq On : 20 Feb 2024 10:21
 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 02/21/2024
 Supervised By : Mahesh Dadoda 02/21/2024

Quant Time: Feb 21 00:16:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	382321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	708389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	623303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	282758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	244579	52.192	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.165	113	211438	52.784	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.560%			
50) Toluene-d8	10.565	98	690717	48.549	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.100%			
62) 4-Bromofluorobenzene	12.847	95	260557	48.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	253922	51.356	ug/l	99
3) Chloromethane	2.360	50	241823	44.697	ug/l	97
4) Vinyl Chloride	2.518	62	260145	47.368	ug/l	95
5) Bromomethane	2.959	94	185363	47.520	ug/l	94
6) Chloroethane	3.124	64	172787	48.636	ug/l	99
7) Trichlorofluoromethane	3.501	101	388270	48.393	ug/l	95
8) Diethyl Ether	3.959	74	156241	53.263	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.377	101	215447	48.169	ug/l	91
10) Methyl Iodide	4.595	142	298105	59.710	ug/l	92
11) Tert butyl alcohol	5.524	59	206174	239.234	ug/l #	87
12) 1,1-Dichloroethene	4.342	96	210820	48.761	ug/l	89
13) Acrolein	4.177	56	163131	353.166	ug/l	98
14) Allyl chloride	5.024	41	358022	55.809	ug/l	96
15) Acrylonitrile	5.718	53	559970	248.791	ug/l	98
16) Acetone	4.430	43	346309	187.812	ug/l	99
17) Carbon Disulfide	4.712	76	563037	46.689	ug/l #	95
18) Methyl Acetate	5.018	43	253041	56.255	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	802043	54.162	ug/l	98
20) Methylene Chloride	5.271	84	256532	53.850	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	240957	49.952	ug/l	90
22) Diisopropyl ether	6.665	45	798566	54.876	ug/l	97
23) Vinyl Acetate	6.600	43	3147256	266.562	ug/l #	93
24) 1,1-Dichloroethane	6.571	63	445831	52.985	ug/l	96
25) 2-Butanone	7.483	43	663148	222.616	ug/l	93
26) 2,2-Dichloropropane	7.489	77	396875	50.338	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	284935	50.840	ug/l	88
28) Bromochloromethane	7.812	49	187056	53.623	ug/l #	64
29) Tetrahydrofuran	7.836	42	467253	234.972	ug/l #	87
30) Chloroform	7.971	83	474049	52.995	ug/l	99
31) Cyclohexane	8.259	56	359470	44.425	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	410692	50.413	ug/l	91
36) 1,1-Dichloropropene	8.371	75	329147	47.962	ug/l	95
37) Ethyl Acetate	7.559	43	300289	48.484	ug/l	99
38) Carbon Tetrachloride	8.359	117	347777	50.089	ug/l	95
39) Methylcyclohexane	9.600	83	384883	48.111	ug/l #	87
40) Benzene	8.606	78	1031866	51.947	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	167837	47.614	ug/l	94
42) 1,2-Dichloroethane	8.671	62	366400	52.870	ug/l	98
43) Isopropyl Acetate	8.688	43	607897	56.119	ug/l	98
44) Trichloroethene	9.353	130	253053	47.830	ug/l	99
45) 1,2-Dichloropropane	9.624	63	257939	51.911	ug/l	99
46) Dibromomethane	9.706	93	186765	51.587	ug/l	91
47) Bromodichloromethane	9.888	83	377006	54.983	ug/l #	99
48) Methyl methacrylate	9.683	41	253527	50.299	ug/l	90
49) 1,4-Dioxane	9.706	88	80904	866.949	ug/l #	70
51) 4-Methyl-2-Pentanone	10.447	43	1535003	246.339	ug/l	95
52) Toluene	10.630	92	635752	50.556	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	416591	54.673	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	452282	54.939	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	253563	52.425	ug/l	94
56) Ethyl methacrylate	10.877	69	389730	52.723	ug/l	89
57) 1,3-Dichloropropane	11.165	76	439688	52.575	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	954141	257.255	ug/l #	87
59) 2-Hexanone	11.194	43	1082915	219.207	ug/l	94
60) Dibromochloromethane	11.359	129	277477	54.003	ug/l	99
61) 1,2-Dibromoethane	11.471	107	266111	52.321	ug/l	100
64) Tetrachloroethene	11.106	164	204859	48.156	ug/l	88
65) Chlorobenzene	11.888	112	674711	50.015	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	256057	52.846	ug/l	96
67) Ethyl Benzene	11.965	91	1210555	50.148	ug/l	100
68) m/p-Xylenes	12.071	106	932971	100.833	ug/l	94
69) o-Xylene	12.394	106	457055	49.833	ug/l	95
70) Styrene	12.412	104	759500	52.258	ug/l	97
71) Bromoform	12.582	173	171056	55.645	ug/l #	95
73) Isopropylbenzene	12.694	105	1159260	46.859	ug/l	98
74) N-amyl acetate	12.494	43	485178	46.403	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	332633	47.816	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	281147m	43.762	ug/l	
77) Bromobenzene	12.982	156	267556	48.504	ug/l	74
78) n-propylbenzene	13.035	91	1365670	47.952	ug/l	95
79) 2-Chlorotoluene	13.124	91	812780	46.528	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	976498	48.682	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	137380	55.041	ug/l	93
82) 4-Chlorotoluene	13.224	91	807949	47.302	ug/l	93
83) tert-Butylbenzene	13.441	119	830878	47.905	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	969842	48.521	ug/l	95
85) sec-Butylbenzene	13.618	105	1166248	48.368	ug/l	94
86) p-Isopropyltoluene	13.729	119	978175	48.841	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	504979	48.450	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	506444	49.451	ug/l	97
89) n-Butylbenzene	14.059	91	872004	49.977	ug/l	97
90) Hexachloroethane	14.335	117	167959	50.735	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	490024	48.747	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	68328	47.242	ug/l	76
93) 1,2,4-Trichlorobenzene	15.394	180	289652	51.648	ug/l	96
94) Hexachlorobutadiene	15.500	225	104787	50.100	ug/l	95
95) Naphthalene	15.641	128	1049181	51.052	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	289267	51.994	ug/l	98

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

