

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081206.D
 Acq On : 26 Feb 2024 19:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2024
 Supervised By : Mahesh Dadoda 02/27/2024

Quant Time: Feb 27 00:16:59 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	8.229	168	291633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	529892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	488543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	181564	50.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.580%			
35) Dibromofluoromethane	8.165	113	163300	54.499	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.000%			
50) Toluene-d8	10.570	98	520687	48.926	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.853	95	210821	52.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	201162	53.337	ug/l	99
3) Chloromethane	2.365	50	192876	46.790	ug/l	99
4) Vinyl Chloride	2.512	62	215239	51.379	ug/l	96
5) Bromomethane	2.947	94	133106	44.734	ug/l	93
6) Chloroethane	3.118	64	145452	53.766	ug/l	95
7) Trichlorofluoromethane	3.494	101	330761	54.045	ug/l	91
8) Diethyl Ether	3.959	74	121954	54.503	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	183070	53.658	ug/l	92
10) Methyl Iodide	4.588	142	192280	50.490	ug/l	96
11) Tert butyl alcohol	5.518	59	189923	288.907	ug/l	98
12) 1,1-Dichloroethene	4.341	96	174392	52.878	ug/l	93
13) Acrolein	4.177	56	121252	344.130	ug/l	100
14) Allyl chloride	5.024	41	257267	52.574	ug/l #	89
15) Acrylonitrile	5.724	53	517553	301.451	ug/l	97
16) Acetone	4.424	43	404257	287.415	ug/l	96
17) Carbon Disulfide	4.718	76	426240	46.336	ug/l	97
18) Methyl Acetate	5.030	43	243427	70.946	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	645221	57.122	ug/l	98
20) Methylene Chloride	5.277	84	208461	57.429	ug/l	87
21) trans-1,2-Dichloroethene	5.788	96	188298	51.174	ug/l	95
22) Diisopropyl ether	6.671	45	635313	57.233	ug/l #	92
23) Vinyl Acetate	6.606	43	2565757	284.887	ug/l #	91
24) 1,1-Dichloroethane	6.571	63	367095	57.194	ug/l	96
25) 2-Butanone	7.482	43	684131	301.076	ug/l	94
26) 2,2-Dichloropropane	7.494	77	302596	50.315	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	233322	54.577	ug/l	87
28) Bromochloromethane	7.812	49	154662	58.124	ug/l #	67
29) Tetrahydrofuran	7.841	42	461061	303.958	ug/l #	87
30) Chloroform	7.965	83	390260	57.195	ug/l	97
31) Cyclohexane	8.259	56	304936	49.405	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	346716	55.794	ug/l	92
36) 1,1-Dichloropropene	8.376	75	270679	52.729	ug/l	96
37) Ethyl Acetate	7.559	43	275563	59.479	ug/l	98
38) Carbon Tetrachloride	8.365	117	291331	56.094	ug/l	96
39) Methylcyclohexane	9.606	83	317598	53.073	ug/l	90
40) Benzene	8.606	78	834613	56.170	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	152905	57.991	ug/l	93
42) 1,2-Dichloroethane	8.671	62	292368	56.399	ug/l	98
43) Isopropyl Acetate	8.688	43	481822	59.464	ug/l #	96
44) Trichloroethene	9.353	130	214931	54.309	ug/l	92
45) 1,2-Dichloropropane	9.623	63	210581	56.656	ug/l	100
46) Dibromomethane	9.712	93	152572	56.339	ug/l	93
47) Bromodichloromethane	9.894	83	308787	60.204	ug/l #	98
48) Methyl methacrylate	9.682	41	222917	59.124	ug/l	91
49) 1,4-Dioxane	9.694	88	93618	1363.866	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1479425	317.396	ug/l	95
52) Toluene	10.635	92	532249	56.582	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	325485	57.106	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	347054	56.357	ug/l	90
55) 1,1,2-Trichloroethane	11.017	97	214201	59.205	ug/l	95
56) Ethyl methacrylate	10.876	69	333307	60.279	ug/l	88
57) 1,3-Dichloropropane	11.165	76	366301	58.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	746245	268.978	ug/l #	88
59) 2-Hexanone	11.200	43	1115940	301.985	ug/l	96
60) Dibromochloromethane	11.365	129	231184	60.149	ug/l	98
61) 1,2-Dibromoethane	11.470	107	222068	58.369	ug/l	99
64) Tetrachloroethene	11.106	164	198017	59.388	ug/l	93
65) Chlorobenzene	11.894	112	560829	53.041	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.964	131	217559	57.286	ug/l	97
67) Ethyl Benzene	11.964	91	1053359	55.673	ug/l	99
68) m/p-Xylenes	12.076	106	787852	108.636	ug/l	96
69) o-Xylene	12.400	106	387956	53.967	ug/l	96
70) Styrene	12.417	104	648009	56.885	ug/l	97
71) Bromoform	12.582	173	150632	62.517	ug/l #	97
73) Isopropylbenzene	12.700	105	1028219	52.157	ug/l	99
74) N-amyl acetate	12.500	43	438656	52.648	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	307647	55.498	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	289244m	56.499	ug/l	
77) Bromobenzene	12.982	156	229131	52.127	ug/l	78
78) n-propylbenzene	13.041	91	1215439	53.557	ug/l	98
79) 2-Chlorotoluene	13.129	91	710420	51.035	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	869324	54.387	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	101827	51.196	ug/l	89
82) 4-Chlorotoluene	13.223	91	710931	52.232	ug/l	95
83) tert-Butylbenzene	13.441	119	758064	54.849	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	853088	53.560	ug/l	96
85) sec-Butylbenzene	13.617	105	1073077	55.849	ug/l	95
86) p-Isopropyltoluene	13.729	119	877554	54.986	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	429177	51.674	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	421630	51.664	ug/l	98
89) n-Butylbenzene	14.058	91	773772	55.652	ug/l	97
90) Hexachloroethane	14.335	117	156529	59.336	ug/l	99
91) 1,2-Dichlorobenzene	14.111	146	419055	52.314	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	64092	55.610	ug/l	78
93) 1,2,4-Trichlorobenzene	15.400	180	236270	52.869	ug/l	100
94) Hexachlorobutadiene	15.505	225	85334	51.200	ug/l	95
95) Naphthalene	15.647	128	872915	53.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	235754	53.178	ug/l	99

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

