

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081842.D
 Acq On : 25 Apr 2024 10:55
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2024
 Supervised By : Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 04:56:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 04:43:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	234606	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	441787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380969	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	203621	51.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.860%			
35) Dibromofluoromethane	8.165	113	135888	51.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.180%			
50) Toluene-d8	10.565	98	540156	51.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.420%			
62) 4-Bromofluorobenzene	12.847	95	218068	52.806	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	168633	51.205	ug/l	94
3) Chloromethane	2.359	50	169622	49.371	ug/l	100
4) Vinyl Chloride	2.518	62	159324	51.230	ug/l	99
5) Bromomethane	2.948	94	71676	54.655	ug/l	88
6) Chloroethane	3.124	64	74037	47.102	ug/l	91
7) Trichlorofluoromethane	3.495	101	243304	50.574	ug/l	97
8) Diethyl Ether	3.953	74	104474	51.122	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	142878	51.154	ug/l	94
10) Methyl Iodide	4.589	142	133154	54.429	ug/l	98
11) Tert butyl alcohol	5.518	59	177649	246.801	ug/l	99
12) 1,1-Dichloroethene	4.336	96	143134	50.373	ug/l	89
13) Acrolein	4.177	56	145380	259.169	ug/l	97
14) Allyl chloride	5.018	41	281687	46.866	ug/l #	87
15) Acrylonitrile	5.712	53	412341	238.564	ug/l	99
16) Acetone	4.424	43	301688	257.844	ug/l	97
17) Carbon Disulfide	4.712	76	397622	46.557	ug/l	97
18) Methyl Acetate	5.018	43	195844	48.832	ug/l	90
19) Methyl tert-butyl Ether	5.794	73	540289	50.390	ug/l	97
20) Methylene Chloride	5.277	84	156381	46.086	ug/l #	78
21) trans-1,2-Dichloroethene	5.789	96	146379	47.247	ug/l	83
22) Diisopropyl ether	6.671	45	574254	49.374	ug/l #	94
23) Vinyl Acetate	6.600	43	235557	249.263	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	307167	50.741	ug/l	97
25) 2-Butanone	7.477	43	542563	241.426	ug/l	90
26) 2,2-Dichloropropane	7.488	77	275711	49.511	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	180994	49.994	ug/l	86
28) Bromochloromethane	7.812	49	137090	47.648	ug/l #	78
29) Tetrahydrofuran	7.835	42	376409	233.565	ug/l	88
30) Chloroform	7.965	83	296777	49.459	ug/l	98
31) Cyclohexane	8.259	56	274470	46.015	ug/l #	84
32) 1,1,1-Trichloroethane	8.165	97	263514	49.244	ug/l	96
36) 1,1-Dichloropropene	8.371	75	214497	49.567	ug/l	97
37) Ethyl Acetate	7.559	43	238799	51.038	ug/l	99
38) Carbon Tetrachloride	8.359	117	216788	51.257	ug/l	98
39) Methylcyclohexane	9.600	83	259325	49.343	ug/l #	90
40) Benzene	8.606	78	641733	49.400	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	140419	47.034	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	236670	49.063	ug/l	96
43) Isopropyl Acetate	8.688	43	426738	48.507	ug/l	94
44) Trichloroethene	9.353	130	146071	48.771	ug/l	89
45) 1,2-Dichloropropane	9.624	63	167486	49.264	ug/l	98
46) Dibromomethane	9.706	93	108796	46.300	ug/l	91
47) Bromodichloromethane	9.888	83	240719	48.574	ug/l #	95
48) Methyl methacrylate	9.682	41	201762	48.041	ug/l #	86
49) 1,4-Dioxane	9.694	88	65192	1021.288	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1194081	241.107	ug/l	94
52) Toluene	10.629	92	386057	49.625	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	275249	51.045	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	281110	50.582	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	143761	46.988	ug/l	98
56) Ethyl methacrylate	10.876	69	292651	50.233	ug/l	90
57) 1,3-Dichloropropane	11.165	76	267914	49.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	683950	257.704	ug/l	90
59) 2-Hexanone	11.194	43	912102	247.473	ug/l	93
60) Dibromochloromethane	11.359	129	164719	50.830	ug/l	97
61) 1,2-Dibromoethane	11.470	107	148611	50.792	ug/l	98
64) Tetrachloroethene	11.106	164	137282	49.615	ug/l #	85
65) Chlorobenzene	11.894	112	415142	49.899	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	133646	49.429	ug/l	97
67) Ethyl Benzene	11.965	91	762160	49.260	ug/l	99
68) m/p-Xylenes	12.070	106	555294	100.618	ug/l	88
69) o-Xylene	12.400	106	265342	49.247	ug/l	85
70) Styrene	12.412	104	463049	49.679	ug/l #	93
71) Bromoform	12.576	173	101091	47.557	ug/l #	99
73) Isopropylbenzene	12.694	105	715549	50.271	ug/l	96
74) N-amyl acetate	12.494	43	376547	47.516	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	195888	45.828	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	198584m	47.742	ug/l	
77) Bromobenzene	12.982	156	146993	49.350	ug/l	69
78) n-propylbenzene	13.035	91	865790	50.076	ug/l	95
79) 2-Chlorotoluene	13.123	91	542438	49.312	ug/l	89
80) 1,3,5-Trimethylbenzene	13.176	105	597460	49.603	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	104536	51.605	ug/l #	91
82) 4-Chlorotoluene	13.223	91	547236	51.242	ug/l	89
83) tert-Butylbenzene	13.441	119	487072	48.559	ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	606553	50.427	ug/l	94
85) sec-Butylbenzene	13.617	105	713306	50.485	ug/l	97
86) p-Isopropyltoluene	13.729	119	569490	50.199	ug/l	94
87) 1,3-Dichlorobenzene	13.735	146	274030	49.306	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	273944	50.054	ug/l	93
89) n-Butylbenzene	14.059	91	557938	52.836	ug/l	96
90) Hexachloroethane	14.335	117	113854	51.017	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	266308	49.984	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50533	48.559	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	151594	50.859	ug/l	98
94) Hexachlorobutadiene	15.500	225	60516	55.083	ug/l	98
95) Naphthalene	15.641	128	576442	51.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	151800	53.044	ug/l	98

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

