

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081149.D
 Acq On : 22 Feb 2024 20:47
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 04:33:47 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	8.229	168	339824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	617012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	559012	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	193192	46.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.760%		
35) Dibromofluoromethane	8.171	113	168527	48.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	10.571	98	556807	44.933	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.860%		
62) 4-Bromofluorobenzene	12.853	95	219856	47.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	219661	49.983	ug/l	98
3) Chloromethane	2.365	50	211766	44.018	ug/l	96
4) Vinyl Chloride	2.512	62	229869	47.090	ug/l	92
5) Bromomethane	2.947	94	138681	39.998	ug/l	90
6) Chloroethane	3.118	64	154242	48.849	ug/l	95
7) Trichlorofluoromethane	3.495	101	349663	49.031	ug/l	99
8) Diethyl Ether	3.959	74	127823	49.025	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	193439	48.657	ug/l	92
10) Methyl Iodide	4.594	142	217304	48.969	ug/l	93
11) Tert butyl alcohol	5.518	59	219583	286.656	ug/l	99
12) 1,1-Dichloroethene	4.336	96	184683	48.057	ug/l	93
13) Acrolein	4.183	56	100019	243.612	ug/l	98
14) Allyl chloride	5.024	41	267208	46.862	ug/l	# 90
15) Acrylonitrile	5.718	53	539929	269.886	ug/l	98
16) Acetone	4.424	43	378098	230.695	ug/l	100
17) Carbon Disulfide	4.712	76	460383	42.951	ug/l	96
18) Methyl Acetate	5.018	43	244514	61.157	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	679484	51.624	ug/l	98
20) Methylene Chloride	5.277	84	217378	51.293	ug/l	87
21) trans-1,2-Dichloroethene	5.788	96	202247	47.170	ug/l	91
22) Diisopropyl ether	6.671	45	672981	52.029	ug/l	# 94
23) Vinyl Acetate	6.606	43	2623478	249.987	ug/l	# 91
24) 1,1-Dichloroethane	6.565	63	383247	51.243	ug/l	98
25) 2-Butanone	7.482	43	678144	256.119	ug/l	96
26) 2,2-Dichloropropane	7.494	77	299992	42.808	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	240570	48.292	ug/l	87
28) Bromochloromethane	7.818	49	153500	49.506	ug/l	# 65
29) Tetrahydrofuran	7.835	42	469083	265.392	ug/l	# 87
30) Chloroform	7.971	83	403928	50.803	ug/l	100
31) Cyclohexane	8.259	56	325011	45.190	ug/l	# 79
32) 1,1,1-Trichloroethane	8.171	97	362583	50.073	ug/l	# 92
36) 1,1-Dichloropropene	8.377	75	286861	47.991	ug/l	96
37) Ethyl Acetate	7.559	43	284625	52.760	ug/l	97
38) Carbon Tetrachloride	8.365	117	315202	52.121	ug/l	99
39) Methylcyclohexane	9.606	83	340130	48.813	ug/l	90
40) Benzene	8.606	78	886431	51.234	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	159173	51.844	ug/l	97
42) 1,2-Dichloroethane	8.671	62	307548	50.950	ug/l	97
43) Isopropyl Acetate	8.688	43	500328	53.029	ug/l #	95
44) Trichloroethene	9.359	130	228382	49.560	ug/l	94
45) 1,2-Dichloropropane	9.624	63	223258	51.586	ug/l	99
46) Dibromomethane	9.712	93	159661	50.632	ug/l #	90
47) Bromodichloromethane	9.894	83	318197	53.279	ug/l #	98
48) Methyl methacrylate	9.682	41	226035	51.486	ug/l	89
49) 1,4-Dioxane	9.700	88	92583	1152.076	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1513663	278.889	ug/l	95
52) Toluene	10.635	92	561245	51.240	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	344462	51.902	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	364162	50.786	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	222510	52.818	ug/l	94
56) Ethyl methacrylate	10.876	69	349966	54.355	ug/l	87
57) 1,3-Dichloropropane	11.165	76	384352	52.765	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	831219	257.303	ug/l #	87
59) 2-Hexanone	11.200	43	1124223	261.270	ug/l	94
60) Dibromochloromethane	11.365	129	237669	53.105	ug/l	98
61) 1,2-Dibromoethane	11.470	107	229904	51.896	ug/l	97
64) Tetrachloroethene	11.106	164	202426	53.057	ug/l	94
65) Chlorobenzene	11.894	112	597683	49.401	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	225096	51.799	ug/l	98
67) Ethyl Benzene	11.965	91	1096377	50.642	ug/l	99
68) m/p-Xylenes	12.070	106	828334	99.820	ug/l	96
69) o-Xylene	12.400	106	410546	49.910	ug/l	97
70) Styrene	12.412	104	679039	52.095	ug/l	97
71) Bromoform	12.582	173	156005	56.585	ug/l #	96
73) Isopropylbenzene	12.700	105	1077757	49.163	ug/l	98
74) N-amyl acetate	12.494	43	458462	49.482	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	313150	50.800	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	291839m	51.264	ug/l	
77) Bromobenzene	12.982	156	241371	49.380	ug/l	75
78) n-propylbenzene	13.041	91	1262602	50.031	ug/l	95
79) 2-Chlorotoluene	13.129	91	742573	47.972	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	906303	50.989	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	105800	47.835	ug/l	92
82) 4-Chlorotoluene	13.223	91	743650	49.133	ug/l	94
83) tert-Butylbenzene	13.441	119	802774	52.233	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	903972	51.038	ug/l	97
85) sec-Butylbenzene	13.617	105	1116487	52.255	ug/l	94
86) p-Isopropyltoluene	13.735	119	923825	52.055	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	446832	48.381	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	450838	49.678	ug/l	97
89) n-Butylbenzene	14.059	91	807293	52.214	ug/l	97
90) Hexachloroethane	14.335	117	163541	55.749	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	434274	48.753	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	64548	50.364	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	252533	50.816	ug/l	99
94) Hexachlorobutadiene	15.506	225	90808	48.996	ug/l	98
95) Naphthalene	15.647	128	936292	51.414	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	252738	51.266	ug/l	99

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

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