

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032724\
 Data File : VN081593.D
 Acq On : 27 Mar 2024 18:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2024
 Supervised By : Mahesh Dadoda 03/28/2024

Quant Time: Mar 28 01:31:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	361808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	642471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	580838	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	287972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204451	44.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.620%		
35) Dibromofluoromethane	8.165	113	188483	46.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.980%		
50) Toluene-d8	10.571	98	655444	44.719	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.440%		
62) 4-Bromofluorobenzene	12.853	95	236917	45.873	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	228939	46.993	ug/l	100
3) Chloromethane	2.359	50	225465	46.483	ug/l	97
4) Vinyl Chloride	2.512	62	272832	50.120	ug/l	91
5) Bromomethane	2.948	94	191823	49.827	ug/l	96
6) Chloroethane	3.118	64	196488	52.571	ug/l	98
7) Trichlorofluoromethane	3.495	101	420661	51.851	ug/l	94
8) Diethyl Ether	3.959	74	142574	53.102	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	241481	52.385	ug/l	# 88
10) Methyl Iodide	4.589	142	266163	57.980	ug/l	98
11) Tert butyl alcohol	5.524	59	258345	321.295	ug/l	99
12) 1,1-Dichloroethene	4.336	96	221614	51.901	ug/l	81
13) Acrolein	4.177	56	199383	276.339	ug/l	100
14) Allyl chloride	5.018	41	276242	51.629	ug/l	# 84
15) Acrylonitrile	5.724	53	587041	272.902	ug/l	98
16) Acetone	4.424	43	407088	273.005	ug/l	97
17) Carbon Disulfide	4.712	76	542971	44.312	ug/l	96
18) Methyl Acetate	5.018	43	273773	59.553	ug/l	# 87
19) Methyl tert-butyl Ether	5.794	73	760048	56.876	ug/l	96
20) Methylene Chloride	5.277	84	265362	54.327	ug/l	87
21) trans-1,2-Dichloroethene	5.789	96	245909	51.652	ug/l	86
22) Diisopropyl ether	6.671	45	699764	56.287	ug/l	# 90
23) Vinyl Acetate	6.606	43	2756814	278.591	ug/l	# 88
24) 1,1-Dichloroethane	6.571	63	454017	54.526	ug/l	94
25) 2-Butanone	7.483	43	698347	273.047	ug/l	# 87
26) 2,2-Dichloropropane	7.488	77	390669	54.094	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	295324	54.824	ug/l	84
28) Bromochloromethane	7.818	49	158505	46.735	ug/l	# 50
29) Tetrahydrofuran	7.835	42	464295	269.473	ug/l	# 76
30) Chloroform	7.965	83	497581	55.820	ug/l	99
31) Cyclohexane	8.259	56	353738	47.113	ug/l	# 70
32) 1,1,1-Trichloroethane	8.165	97	445686	55.109	ug/l	93
36) 1,1-Dichloropropene	8.371	75	342173	50.146	ug/l	96
37) Ethyl Acetate	7.559	43	298698	51.121	ug/l	95
38) Carbon Tetrachloride	8.359	117	394138	52.729	ug/l	98
39) Methylcyclohexane	9.606	83	392001	51.443	ug/l	# 84
40) Benzene	8.606	78	1063019	53.287	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	165810	53.660	ug/l #	88
42) 1,2-Dichloroethane	8.671	62	364870	51.972	ug/l	98
43) Isopropyl Acetate	8.688	43	655515	67.682	ug/l	96
44) Trichloroethene	9.353	130	283792	50.581	ug/l	95
45) 1,2-Dichloropropane	9.618	63	264684	54.747	ug/l	99
46) Dibromomethane	9.712	93	197962	53.917	ug/l #	88
47) Bromodichloromethane	9.888	83	403003	56.140	ug/l #	94
48) Methyl methacrylate	9.682	41	232813	52.115	ug/l #	82
49) 1,4-Dioxane	9.694	88	113323	1055.590	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	1575011	266.503	ug/l	90
52) Toluene	10.629	92	686304	54.127	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	413971	53.405	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	445796	53.640	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	277378	54.359	ug/l	92
56) Ethyl methacrylate	10.876	69	396617	51.981	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	458095	54.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	846878	263.761	ug/l #	84
59) 2-Hexanone	11.200	43	1167668	267.235	ug/l	90
60) Dibromochloromethane	11.359	129	314328	56.012	ug/l	97
61) 1,2-Dibromoethane	11.471	107	288930	55.538	ug/l	98
64) Tetrachloroethene	11.106	164	287503	51.783	ug/l	88
65) Chlorobenzene	11.894	112	743653	54.159	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	290019	56.988	ug/l	98
67) Ethyl Benzene	11.965	91	1317146	55.222	ug/l	96
68) m/p-Xylenes	12.070	106	1043629	116.716	ug/l	92
69) o-Xylene	12.400	106	501221	57.098	ug/l	93
70) Styrene	12.412	104	846892	59.819	ug/l	95
71) Bromoform	12.582	173	222596	58.207	ug/l #	99
73) Isopropylbenzene	12.694	105	1313653	53.516	ug/l	98
74) N-amyl acetate	12.494	43	470535	52.969	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	381062	52.799	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	344034m	49.944	ug/l	
77) Bromobenzene	12.982	156	311802	51.420	ug/l	69
78) n-propylbenzene	13.035	91	1551977	53.537	ug/l	95
79) 2-Chlorotoluene	13.129	91	918652	52.948	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	1124278	55.452	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	132763	52.083	ug/l	97
82) 4-Chlorotoluene	13.223	91	911757	53.302	ug/l	92
83) tert-Butylbenzene	13.441	119	949235	54.293	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	1126822	55.298	ug/l	95
85) sec-Butylbenzene	13.617	105	1380918	55.251	ug/l	93
86) p-Isopropyltoluene	13.729	119	1152972	56.433	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	593271	53.251	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	590279	51.169	ug/l	96
89) n-Butylbenzene	14.059	91	980853	54.141	ug/l	97
90) Hexachloroethane	14.335	117	212456	54.909	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	567314	52.906	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	75163	48.936	ug/l	63
93) 1,2,4-Trichlorobenzene	15.394	180	308811	49.806	ug/l	98
94) Hexachlorobutadiene	15.506	225	123324	45.333	ug/l	98
95) Naphthalene	15.641	128	1079749	53.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	319147	51.173	ug/l	99

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

