

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081634.D
 Acq On : 29 Mar 2024 22:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2024
 Supervised By : Mahesh Dadoda 04/01/2024

Quant Time: Mar 30 00:37:11 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	320017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	590366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	553244	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	266321	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	219786	53.855	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.700%	
35) Dibromofluoromethane	8.165	113	201427	54.063	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.120%	
50) Toluene-d8	10.571	98	697540	51.791	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.847	95	258564	54.483	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 108.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	190546	44.220	ug/l	94
3) Chloromethane	2.359	50	203930	47.533	ug/l	95
4) Vinyl Chloride	2.518	62	241188	50.093	ug/l	90
5) Bromomethane	2.953	94	146241	42.948	ug/l	96
6) Chloroethane	3.118	64	180010	54.452	ug/l	99
7) Trichlorofluoromethane	3.500	101	385478	53.719	ug/l	93
8) Diethyl Ether	3.959	74	131833	55.513	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.377	101	216470	53.092	ug/l	# 88
10) Methyl Iodide	4.589	142	237661	58.532	ug/l	98
11) Tert butyl alcohol	5.518	59	216163	303.941	ug/l	100
12) 1,1-Dichloroethene	4.336	96	196968	52.153	ug/l	82
13) Acrolein	4.177	56	125564	196.754	ug/l	99
14) Allyl chloride	5.030	41	241394	51.008	ug/l	# 84
15) Acrylonitrile	5.712	53	510690	268.411	ug/l	97
16) Acetone	4.424	43	366439	277.836	ug/l	96
17) Carbon Disulfide	4.718	76	478437	44.145	ug/l	# 92
18) Methyl Acetate	5.018	43	247189	60.792	ug/l	# 85
19) Methyl tert-butyl Ether	5.794	73	697378	59.002	ug/l	95
20) Methylene Chloride	5.271	84	241723	55.950	ug/l	85
21) trans-1,2-Dichloroethene	5.789	96	223505	53.077	ug/l	86
22) Diisopropyl ether	6.671	45	657501	59.794	ug/l	# 92
23) Vinyl Acetate	6.600	43	2425771	277.149	ug/l	# 88
24) 1,1-Dichloroethane	6.571	63	415592	56.429	ug/l	95
25) 2-Butanone	7.483	43	617965	273.171	ug/l	# 86
26) 2,2-Dichloropropane	7.494	77	306329	47.955	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	276033	57.935	ug/l	82
28) Bromochloromethane	7.812	49	150568	50.193	ug/l	# 50
29) Tetrahydrofuran	7.835	42	413627	271.416	ug/l	# 77
30) Chloroform	7.965	83	471947	59.859	ug/l	96
31) Cyclohexane	8.259	56	320534	48.266	ug/l	# 70
32) 1,1,1-Trichloroethane	8.171	97	420319	58.760	ug/l	92
36) 1,1-Dichloropropene	8.371	75	320104	51.053	ug/l	95
37) Ethyl Acetate	7.559	43	248600	46.302	ug/l	96
38) Carbon Tetrachloride	8.365	117	362723	52.809	ug/l	98
39) Methylcyclohexane	9.600	83	344867	49.252	ug/l	85
40) Benzene	8.606	78	972067	53.028	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	148157	52.179	ug/l	89
42) 1,2-Dichloroethane	8.671	62	343182	53.197	ug/l	97
43) Isopropyl Acetate	8.688	43	525539	59.051	ug/l #	98
44) Trichloroethene	9.353	130	265050	51.410	ug/l	93
45) 1,2-Dichloropropane	9.624	63	246639	55.517	ug/l	99
46) Dibromomethane	9.706	93	183948	54.522	ug/l #	88
47) Bromodichloromethane	9.888	83	373076	56.558	ug/l #	99
48) Methyl methacrylate	9.682	41	212297	51.717	ug/l #	85
49) 1,4-Dioxane	9.694	88	98714	1000.664	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	1380598	254.225	ug/l	90
52) Toluene	10.629	92	637224	54.692	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	375145	52.668	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	402330	52.683	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	265658	56.657	ug/l	91
56) Ethyl methacrylate	10.876	69	356377	50.948	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	433536	56.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	844364	286.189	ug/l #	84
59) 2-Hexanone	11.194	43	1022065	254.557	ug/l	88
60) Dibromochloromethane	11.359	129	291555	56.539	ug/l	98
61) 1,2-Dibromoethane	11.470	107	264198	55.267	ug/l	100
64) Tetrachloroethene	11.106	164	285247	53.939	ug/l	92
65) Chlorobenzene	11.894	112	684573	52.343	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	267673	55.221	ug/l	97
67) Ethyl Benzene	11.965	91	1234501	54.339	ug/l	97
68) m/p-Xylenes	12.070	106	946609	111.145	ug/l	93
69) o-Xylene	12.400	106	460914	55.125	ug/l	94
70) Styrene	12.412	104	781542	57.956	ug/l	95
71) Bromoform	12.582	173	199794	54.850	ug/l #	98
73) Isopropylbenzene	12.700	105	1201949	52.946	ug/l	97
74) N-amyl acetate	12.494	43	407661	49.622	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	321235	48.128	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	308485m	48.424	ug/l	
77) Bromobenzene	12.982	156	286312	51.055	ug/l	71
78) n-propylbenzene	13.035	91	1433442	53.468	ug/l	95
79) 2-Chlorotoluene	13.129	91	846030	52.726	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	1032313	55.056	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	108868	46.181	ug/l	96
82) 4-Chlorotoluene	13.223	91	837049	52.912	ug/l	93
83) tert-Butylbenzene	13.441	119	865866	53.551	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	1026586	54.474	ug/l	95
85) sec-Butylbenzene	13.617	105	1257327	54.396	ug/l	93
86) p-Isopropyltoluene	13.729	119	1038473	54.961	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	544394	52.836	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	533912	50.045	ug/l	97
89) n-Butylbenzene	14.059	91	868527	51.839	ug/l	96
90) Hexachloroethane	14.335	117	194315	54.303	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	524625	52.902	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	68711	48.372	ug/l	72
93) 1,2,4-Trichlorobenzene	15.394	180	281501	49.093	ug/l	99
94) Hexachlorobutadiene	15.506	225	112199	44.596	ug/l	98
95) Naphthalene	15.641	128	967662	52.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	284167	49.269	ug/l	97

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

