

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030424\
 Data File : VN081301.D
 Acq On : 04 Mar 2024 15:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/05/2024
 Supervised By : Mahesh Dadoda 03/05/2024

Quant Time: Mar 05 03:21:40 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	8.224	168	246710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	443618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156528	51.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.520%			
35) Dibromofluoromethane	8.165	113	137967	54.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.000%			
50) Toluene-d8	10.571	98	417012	46.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.600%			
62) 4-Bromofluorobenzene	12.853	95	173979	51.968	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	162865	51.046	ug/l	98
3) Chloromethane	2.359	50	152384	43.619	ug/l	93
4) Vinyl Chloride	2.512	62	172227	48.597	ug/l	93
5) Bromomethane	2.953	94	104389	41.471	ug/l	97
6) Chloroethane	3.124	64	116728	50.959	ug/l	93
7) Trichlorofluoromethane	3.501	101	279305	53.947	ug/l	98
8) Diethyl Ether	3.959	74	101063	53.391	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.383	101	161301	55.886	ug/l	93
10) Methyl Iodide	4.589	142	160969	49.965	ug/l	98
11) Tert butyl alcohol	5.518	59	136290	245.072	ug/l #	84
12) 1,1-Dichloroethene	4.336	96	141646	50.770	ug/l	93
13) Acrolein	4.177	56	50510	169.458	ug/l	93
14) Allyl chloride	5.024	41	218119	52.690	ug/l #	89
15) Acrylonitrile	5.718	53	406212	279.682	ug/l	96
16) Acetone	4.418	43	294031	247.113	ug/l	99
17) Carbon Disulfide	4.712	76	320596	41.198	ug/l	96
18) Methyl Acetate	5.024	43	195020	67.187	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	540646	56.579	ug/l	97
20) Methylene Chloride	5.277	84	173286	56.414	ug/l	90
21) trans-1,2-Dichloroethene	5.789	96	153342	49.262	ug/l	93
22) Diisopropyl ether	6.671	45	550388	58.611	ug/l #	91
23) Vinyl Acetate	6.606	43	2065683	271.126	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	314448	57.912	ug/l	96
25) 2-Butanone	7.483	43	510864	265.762	ug/l	93
26) 2,2-Dichloropropane	7.488	77	286047	56.224	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	199507	55.165	ug/l	87
28) Bromochloromethane	7.812	49	141272	62.759	ug/l #	67
29) Tetrahydrofuran	7.841	42	341704	266.290	ug/l #	87
30) Chloroform	7.971	83	337685	58.502	ug/l	99
31) Cyclohexane	8.259	56	248238	47.542	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	296380	56.378	ug/l	94
36) 1,1-Dichloropropene	8.377	75	237799	55.332	ug/l	96
37) Ethyl Acetate	7.565	43	222825	57.449	ug/l	99
38) Carbon Tetrachloride	8.365	117	249846	57.462	ug/l	95
39) Methylcyclohexane	9.606	83	264105	52.717	ug/l	91
40) Benzene	8.606	78	705044	56.678	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	122974	55.709	ug/l	95
42) 1,2-Dichloroethane	8.671	62	254912	58.736	ug/l	99
43) Isopropyl Acetate	8.688	43	390377	57.548	ug/l #	98
44) Trichloroethene	9.353	130	182588	55.110	ug/l	98
45) 1,2-Dichloropropane	9.624	63	186369	59.893	ug/l	96
46) Dibromomethane	9.712	93	129625	57.174	ug/l	94
47) Bromodichloromethane	9.888	83	272140	63.377	ug/l #	95
48) Methyl methacrylate	9.682	41	174207	55.191	ug/l	87
49) 1,4-Dioxane	9.700	88	70089	1215.267	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1166673	298.976	ug/l	96
52) Toluene	10.635	92	448134	56.905	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	285489	59.829	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	304479	59.059	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	182757	60.338	ug/l	94
56) Ethyl methacrylate	10.876	69	268733	58.052	ug/l	89
57) 1,3-Dichloropropane	11.165	76	315341	60.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	604254	260.156	ug/l #	90
59) 2-Hexanone	11.200	43	858350	277.451	ug/l	97
60) Dibromochloromethane	11.365	129	193787	60.225	ug/l	100
61) 1,2-Dibromoethane	11.471	107	182462	57.286	ug/l	98
64) Tetrachloroethene	11.106	164	173424	62.792	ug/l	99
65) Chlorobenzene	11.894	112	481363	54.961	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	185074	58.832	ug/l	96
67) Ethyl Benzene	11.965	91	880721	56.196	ug/l	100
68) m/p-Xylenes	12.071	106	661962	110.195	ug/l	98
69) o-Xylene	12.400	106	323857	54.387	ug/l	97
70) Styrene	12.412	104	545024	57.761	ug/l	98
71) Bromoform	12.582	173	120642	60.448	ug/l #	94
73) Isopropylbenzene	12.700	105	866419	52.350	ug/l	98
74) N-amyl acetate	12.494	43	343361	49.088	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	244187	52.470	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	230327m	53.590	ug/l	
77) Bromobenzene	12.982	156	187645	50.848	ug/l	80
78) n-propylbenzene	13.035	91	1042803	54.733	ug/l	96
79) 2-Chlorotoluene	13.129	91	605685	51.828	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	738458	55.030	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	84056	50.339	ug/l	86
82) 4-Chlorotoluene	13.223	91	609262	53.319	ug/l	95
83) tert-Butylbenzene	13.441	119	620705	53.494	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	739126	55.275	ug/l	97
85) sec-Butylbenzene	13.617	105	922801	57.207	ug/l	95
86) p-Isopropyltoluene	13.729	119	751248	56.070	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	371667	53.304	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	366018	53.422	ug/l	98
89) n-Butylbenzene	14.059	91	697933	59.792	ug/l	97
90) Hexachloroethane	14.335	117	124332	56.140	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	355004	52.789	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	48768	50.402	ug/l	80
93) 1,2,4-Trichlorobenzene	15.394	180	207948	55.426	ug/l	100
94) Hexachlorobutadiene	15.506	225	78650	56.209	ug/l	97
95) Naphthalene	15.641	128	702329	51.084	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	206597	55.508	ug/l	99

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

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