

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121922\
 Data File : VN075885.D
 Acq On : 19 Dec 2022 20:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 01:32:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	379997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	612881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	604781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	279321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	216750	52.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	8.171	113	191130	50.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	10.571	98	731021	51.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.853	95	276242	58.773	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	140634	52.123	ug/l	99
3) Chloromethane	2.377	50	181300	54.038	ug/l	96
4) Vinyl Chloride	2.530	62	233017	58.224	ug/l	99
5) Bromomethane	2.948	94	173082	50.888	ug/l	98
6) Chloroethane	3.124	64	158665	53.537	ug/l	96
7) Trichlorofluoromethane	3.506	101	282915	46.588	ug/l	99
8) Diethyl Ether	3.971	74	111578	50.305	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.389	101	160618	46.319	ug/l	97
10) Methyl Iodide	4.601	142	260340	46.261	ug/l	98
11) Tert butyl alcohol	5.536	59	140890	240.855	ug/l	100
12) 1,1-Dichloroethene	4.359	96	154278	45.809	ug/l	98
13) Acrolein	4.189	56	211338	294.696	ug/l	97
14) Allyl chloride	5.042	41	192927	49.003	ug/l	90
15) Acrylonitrile	5.736	53	400977	251.189	ug/l	100
16) Acetone	4.442	43	314313	220.559	ug/l	95
17) Carbon Disulfide	4.724	76	332939	40.830	ug/l	97
18) Methyl Acetate	5.042	43	211050	50.102	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	587121	52.938	ug/l	97
20) Methylene Chloride	5.289	84	184765	48.447	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	168891	45.790	ug/l	98
22) Diisopropyl ether	6.683	45	500180	52.298	ug/l	98
23) Vinyl Acetate	6.612	43	1662510	258.262	ug/l	98
24) 1,1-Dichloroethane	6.577	63	309037	48.450	ug/l	99
25) 2-Butanone	7.494	43	503442	252.306	ug/l	99
26) 2,2-Dichloropropane	7.500	77	257794	47.726	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	211046	47.843	ug/l	96
28) Bromochloromethane	7.824	49	118242	42.295	ug/l	97
29) Tetrahydrofuran	7.847	42	330214	264.078	ug/l	99
30) Chloroform	7.971	83	339666	47.297	ug/l	95
31) Cyclohexane	8.265	56	259427	43.817	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	312603	49.099	ug/l	99
36) 1,1-Dichloropropene	8.377	75	236178	46.843	ug/l	98
37) Ethyl Acetate	7.571	43	208269	51.426	ug/l	97
38) Carbon Tetrachloride	8.371	117	255777	45.326	ug/l	98
39) Methylcyclohexane	9.606	83	303760	49.938	ug/l	99
40) Benzene	8.612	78	735809	47.300	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	109863	52.189	ug/l	95
42) 1,2-Dichloroethane	8.677	62	256542	49.605	ug/l	99
43) Isopropyl Acetate	8.694	43	359512	53.814	ug/l	99
44) Trichloroethene	9.359	130	202765	46.268	ug/l	93
45) 1,2-Dichloropropane	9.624	63	183444	48.460	ug/l	100
46) Dibromomethane	9.712	93	136544	48.632	ug/l	98
47) Bromodichloromethane	9.894	83	270071	49.050	ug/l	99
48) Methyl methacrylate	9.683	41	168707	56.069	ug/l	97
49) 1,4-Dioxane	9.700	88	70005	946.376	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1105878	273.722	ug/l	99
52) Toluene	10.635	92	499557	49.308	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	286625	53.179	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	310712	52.506	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	205299	51.627	ug/l	98
56) Ethyl methacrylate	10.877	69	303197	57.402	ug/l	98
57) 1,3-Dichloropropane	11.165	76	328313	50.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	535282	318.301	ug/l	99
59) 2-Hexanone	11.200	43	819708	278.211	ug/l	98
60) Dibromochloromethane	11.359	129	222302	50.268	ug/l	100
61) 1,2-Dibromoethane	11.471	107	205348	51.029	ug/l	100
64) Tetrachloroethene	11.106	164	170044	39.957	ug/l	99
65) Chlorobenzene	11.894	112	544918	43.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	211207	45.937	ug/l	97
67) Ethyl Benzene	11.965	91	976550	46.613	ug/l	97
68) m/p-Xylenes	12.076	106	766919	92.489	ug/l	98
69) o-Xylene	12.400	106	399008	48.625	ug/l	99
70) Styrene	12.412	104	661698	50.715	ug/l	99
71) Bromoform	12.582	173	154052	46.047	ug/l #	97
73) Isopropylbenzene	12.700	105	1036174	51.334	ug/l	100
74) N-amyl acetate	12.494	43	340484	57.499	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	315991	50.640	ug/l	93
76) 1,2,3-Trichloropropane	12.994	75	265189m	47.099	ug/l	
77) Bromobenzene	12.982	156	243392	47.646	ug/l	94
78) n-propylbenzene	13.041	91	1201070	53.949	ug/l	100
79) 2-Chlorotoluene	13.129	91	698222	50.242	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	897747	53.141	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	85254	54.502	ug/l	95
82) 4-Chlorotoluene	13.129	91	698222	50.242	ug/l	99
83) tert-Butylbenzene	13.441	119	766146	51.437	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	886859	52.917	ug/l	98
85) sec-Butylbenzene	13.618	105	1139312	55.418	ug/l	99
86) p-Isopropyltoluene	13.729	119	959699	56.102	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	474261	50.260	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	457904	47.502	ug/l	99
89) n-Butylbenzene	14.059	91	838739	60.522	ug/l	97
90) Hexachloroethane	14.335	117	159918	52.261	ug/l	94
91) 1,2-Dichlorobenzene	14.112	146	464948	50.024	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	58774	53.082	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	236338	51.361	ug/l	99
94) Hexachlorobutadiene	15.506	225	116584	46.438	ug/l	99
95) Naphthalene	15.641	128	787712	51.739	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	241522	56.157	ug/l	98

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

