

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075782.D
 Acq On : 14 Dec 2022 20:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 00:29:39 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	8.229	168	286487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	459677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	419200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	175572	56.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.660%			
35) Dibromofluoromethane	8.171	113	158792	55.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.560%			
50) Toluene-d8	10.570	98	599481	56.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.640%			
62) 4-Bromofluorobenzene	12.853	95	205874	58.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	95148	46.775	ug/l	99
3) Chloromethane	2.377	50	116805	46.178	ug/l	98
4) Vinyl Chloride	2.524	62	141391	46.861	ug/l	98
5) Bromomethane	2.953	94	121177	47.256	ug/l	96
6) Chloroethane	3.124	64	106529	47.677	ug/l	99
7) Trichlorofluoromethane	3.506	101	217108	47.421	ug/l	98
8) Diethyl Ether	3.971	74	86691	51.842	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	124859	47.760	ug/l	99
10) Methyl Iodide	4.600	142	215873	50.880	ug/l	100
11) Tert butyl alcohol	5.530	59	110136	249.735	ug/l	99
12) 1,1-Dichloroethene	4.353	96	120558	47.481	ug/l	97
13) Acrolein	4.188	56	139919	258.790	ug/l	99
14) Allyl chloride	5.035	41	144429	48.659	ug/l	90
15) Acrylonitrile	5.730	53	310689	258.156	ug/l	100
16) Acetone	4.441	43	235608	219.294	ug/l	96
17) Carbon Disulfide	4.724	76	292010	47.499	ug/l	99
18) Methyl Acetate	5.035	43	159969	50.371	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	451291	53.973	ug/l	99
20) Methylene Chloride	5.282	84	148440	51.669	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	138289	49.731	ug/l	96
22) Diisopropyl ether	6.682	45	381578	52.920	ug/l	100
23) Vinyl Acetate	6.612	43	1308155	269.544	ug/l	100
24) 1,1-Dichloroethane	6.577	63	239869	49.881	ug/l	99
25) 2-Butanone	7.488	43	386116	256.667	ug/l	96
26) 2,2-Dichloropropane	7.500	77	194369	47.729	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	168745	50.740	ug/l	98
28) Bromochloromethane	7.824	49	103982	49.334	ug/l	98
29) Tetrahydrofuran	7.841	42	255612	271.140	ug/l	99
30) Chloroform	7.971	83	271357	50.119	ug/l	95
31) Cyclohexane	8.265	56	207074	46.391	ug/l	97
32) 1,1,1-Trichloroethane	8.176	97	244478	50.932	ug/l	100
36) 1,1-Dichloropropene	8.376	75	190646	50.415	ug/l	100
37) Ethyl Acetate	7.571	43	161205	53.071	ug/l	97
38) Carbon Tetrachloride	8.365	117	213851	50.527	ug/l	99
39) Methylcyclohexane	9.606	83	235182	51.550	ug/l	98
40) Benzene	8.612	78	597747	51.232	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	85451	54.121	ug/l	96
42) 1,2-Dichloroethane	8.676	62	201391	51.919	ug/l	99
43) Isopropyl Acetate	8.694	43	279797	55.841	ug/l	98
44) Trichloroethene	9.353	130	158376	48.183	ug/l	96
45) 1,2-Dichloropropane	9.623	63	145514	51.251	ug/l	98
46) Dibromomethane	9.712	93	109325	51.915	ug/l	99
47) Bromodichloromethane	9.894	83	217960	52.779	ug/l #	99
48) Methyl methacrylate	9.682	41	129089	57.201	ug/l	99
49) 1,4-Dioxane	9.694	88	59304	1068.912	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	851082	280.865	ug/l	99
52) Toluene	10.635	92	398476	52.440	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	222087	54.938	ug/l	96
54) cis-1,3-Dichloropropene	10.317	75	242254	54.581	ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	157420	52.781	ug/l	98
56) Ethyl methacrylate	10.876	69	227785	57.498	ug/l	99
57) 1,3-Dichloropropane	11.164	76	259821	53.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	323047	256.121	ug/l	99
59) 2-Hexanone	11.200	43	615337	278.453	ug/l	100
60) Dibromochloromethane	11.359	129	178448	53.800	ug/l	99
61) 1,2-Dibromoethane	11.470	107	164353	54.453	ug/l	100
64) Tetrachloroethene	11.106	164	142789	48.406	ug/l	97
65) Chlorobenzene	11.894	112	438448	50.959	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.964	131	166129	52.129	ug/l	99
67) Ethyl Benzene	11.964	91	781023	53.784	ug/l	100
68) m/p-Xylenes	12.076	106	622216	108.258	ug/l	100
69) o-Xylene	12.400	106	307666	54.092	ug/l	100
70) Styrene	12.411	104	507706	56.140	ug/l	100
71) Bromoform	12.582	173	128353	55.349	ug/l #	98
73) Isopropylbenzene	12.700	105	793576	51.684	ug/l	99
74) N-amyl acetate	12.500	43	250286	55.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	231716	48.817	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	196906m	45.974	ug/l	
77) Bromobenzene	12.982	156	191553	49.295	ug/l	99
78) n-propylbenzene	13.041	91	899425	53.110	ug/l	99
79) 2-Chlorotoluene	13.129	91	535308	50.637	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	675080	52.532	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	64679	54.357	ug/l	99
82) 4-Chlorotoluene	13.129	91	535308	50.637	ug/l	100
83) tert-Butylbenzene	13.441	119	591960	52.246	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	680029	53.342	ug/l	99
85) sec-Butylbenzene	13.617	105	829285	53.028	ug/l	99
86) p-Isopropyltoluene	13.735	119	709394	54.516	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	356598	49.680	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	352032	48.008	ug/l	100
89) n-Butylbenzene	14.058	91	568579	53.935	ug/l	100
90) Hexachloroethane	14.335	117	124311	53.405	ug/l	100
91) 1,2-Dichlorobenzene	14.105	146	357861	50.615	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41165	48.875	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	182906	52.254	ug/l	99
94) Hexachlorobutadiene	15.505	225	93775	49.104	ug/l	98
95) Naphthalene	15.647	128	535386	46.460	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	176439	53.931	ug/l	99

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

