

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121922\
 Data File : VN075863.D
 Acq On : 19 Dec 2022 11:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 01:28:07 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	307298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	484047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	437200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173902	52.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	8.171	113	158247	52.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	10.570	98	594170	53.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.020%			
62) 4-Bromofluorobenzene	12.853	95	205830	55.448	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	102389	46.926	ug/l	100
3) Chloromethane	2.371	50	121676	44.846	ug/l	94
4) Vinyl Chloride	2.530	62	148613	45.919	ug/l	98
5) Bromomethane	2.953	94	121073	44.018	ug/l	99
6) Chloroethane	3.124	64	107919	45.029	ug/l	99
7) Trichlorofluoromethane	3.512	101	240832	49.040	ug/l	97
8) Diethyl Ether	3.977	74	89623	49.966	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	141028	50.291	ug/l	99
10) Methyl Iodide	4.600	142	221091	48.581	ug/l	99
11) Tert butyl alcohol	5.536	59	110873	234.381	ug/l	100
12) 1,1-Dichloroethene	4.353	96	132277	48.568	ug/l	99
13) Acrolein	4.189	56	170087	293.284	ug/l	97
14) Allyl chloride	5.036	41	157391	49.435	ug/l	90
15) Acrylonitrile	5.730	53	324619	251.464	ug/l	100
16) Acetone	4.436	43	274124	237.865	ug/l	99
17) Carbon Disulfide	4.730	76	310674	47.113	ug/l	98
18) Methyl Acetate	5.036	43	164892	48.405	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	467408	52.115	ug/l	99
20) Methylene Chloride	5.288	84	154563	50.138	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	146479	49.109	ug/l	99
22) Diisopropyl ether	6.683	45	410431	53.066	ug/l	99
23) Vinyl Acetate	6.612	43	1397393	268.432	ug/l	99
24) 1,1-Dichloroethane	6.577	63	261790	50.753	ug/l	98
25) 2-Butanone	7.488	43	412886	255.875	ug/l	97
26) 2,2-Dichloropropane	7.494	77	223659	51.202	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	179657	50.362	ug/l	97
28) Bromochloromethane	7.818	49	99831	44.157	ug/l	99
29) Tetrahydrofuran	7.841	42	264708	261.772	ug/l	99
30) Chloroform	7.971	83	288119	49.611	ug/l	98
31) Cyclohexane	8.265	56	222626	46.497	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	260961	50.684	ug/l	99
36) 1,1-Dichloropropene	8.377	75	204620	51.386	ug/l	98
37) Ethyl Acetate	7.565	43	162659	50.854	ug/l	98
38) Carbon Tetrachloride	8.365	117	233562	52.406	ug/l	98
39) Methylcyclohexane	9.606	83	267579	55.698	ug/l	99
40) Benzene	8.612	78	633747	51.583	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	89953	54.104	ug/l	97
42) 1,2-Dichloroethane	8.676	62	210375	51.505	ug/l	99
43) Isopropyl Acetate	8.694	43	287478	54.485	ug/l	99
44) Trichloroethene	9.359	130	172592	49.865	ug/l	94
45) 1,2-Dichloropropane	9.623	63	152044	50.855	ug/l	100
46) Dibromomethane	9.712	93	112836	50.884	ug/l	100
47) Bromodichloromethane	9.888	83	231389	53.210	ug/l	97
48) Methyl methacrylate	9.682	41	132414	55.720	ug/l	99
49) 1,4-Dioxane	9.700	88	60429	1034.353	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	874581	274.089	ug/l	100
52) Toluene	10.635	92	424433	53.044	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	238384	56.001	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	259556	55.535	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	166227	52.927	ug/l	99
56) Ethyl methacrylate	10.876	69	234845	56.296	ug/l	98
57) 1,3-Dichloropropane	11.165	76	270320	52.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	417870	314.620	ug/l	98
59) 2-Hexanone	11.200	43	640410	275.208	ug/l	100
60) Dibromochloromethane	11.359	129	187586	53.708	ug/l	99
61) 1,2-Dibromoethane	11.470	107	170084	53.515	ug/l	100
64) Tetrachloroethene	11.106	164	152001	49.408	ug/l	97
65) Chlorobenzene	11.894	112	452922	50.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	173284	52.135	ug/l	98
67) Ethyl Benzene	11.965	91	825816	54.528	ug/l	100
68) m/p-Xylenes	12.076	106	651479	108.683	ug/l	99
69) o-Xylene	12.400	106	327084	55.139	ug/l	97
70) Styrene	12.412	104	528369	56.019	ug/l	99
71) Bromoform	12.582	173	135222	55.911	ug/l #	100
73) Isopropylbenzene	12.700	105	841560	53.315	ug/l	100
74) N-amyl acetate	12.494	43	256034	55.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	241179	49.425	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	179293m	40.720	ug/l	
77) Bromobenzene	12.982	156	200702	50.242	ug/l	99
78) n-propylbenzene	13.041	91	970718	55.757	ug/l	100
79) 2-Chlorotoluene	13.129	91	565876	52.070	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	721453	54.610	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	69798	57.060	ug/l	99
82) 4-Chlorotoluene	13.129	91	565876	52.070	ug/l	100
83) tert-Butylbenzene	13.441	119	637392	54.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	730085	55.707	ug/l	98
85) sec-Butylbenzene	13.617	105	911503	56.697	ug/l	99
86) p-Isopropyltoluene	13.735	119	775270	57.954	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	385401	52.229	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	375032	49.751	ug/l	99
89) n-Butylbenzene	14.059	91	633880	58.490	ug/l	99
90) Hexachloroethane	14.335	117	133423	55.757	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	378523	52.078	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43506	50.246	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	196454	54.595	ug/l	99
94) Hexachlorobutadiene	15.505	225	105751	53.866	ug/l	98
95) Naphthalene	15.641	128	569580	48.004	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	186141	55.346	ug/l	97

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

