

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072468.D
 Acq On : 12 May 2022 21:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:51:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	206600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	331109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	310705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	144147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	157946	49.913	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.820%		
35) Dibromofluoromethane	8.016	113	110943	50.363	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.720%		
50) Toluene-d8	10.439	98	414474	49.403	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.800%		
62) 4-Bromofluorobenzene	12.727	95	150368	53.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	126083	48.933	ug/l	99
3) Chloromethane	2.299	50	104624	43.206	ug/l	95
4) Vinyl Chloride	2.440	62	91518	41.714	ug/l	97
5) Bromomethane	2.822	94	59692	45.698	ug/l	97
6) Chloroethane	2.993	64	58747	51.145	ug/l	98
7) Trichlorofluoromethane	3.363	101	200077	49.203	ug/l	98
8) Diethyl Ether	3.822	74	66096	45.057	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.210	101	98715	44.490	ug/l	95
10) Methyl Iodide	4.422	142	136611	46.446	ug/l #	87
11) Tert butyl alcohol	5.375	59	139867	270.314	ug/l	99
12) 1,1-Dichloroethene	4.175	96	92136	44.317	ug/l	94
13) Acrolein	4.040	56	104634	206.687	ug/l	100
14) Allyl chloride	4.840	41	169715	43.844	ug/l	93
15) Acrylonitrile	5.551	53	330188	234.838	ug/l	99
16) Acetone	4.287	43	307307	245.215	ug/l	91
17) Carbon Disulfide	4.528	76	224716	41.677	ug/l	98
18) Methyl Acetate	4.851	43	170007	46.075	ug/l	96
19) Methyl tert-butyl Ether	5.616	73	385636	51.328	ug/l	99
20) Methylene Chloride	5.093	84	111685	43.464	ug/l	97
21) trans-1,2-Dichloroethene	5.593	96	98812	45.429	ug/l	89
22) Diisopropyl ether	6.493	45	353611	44.956	ug/l	98
23) Vinyl Acetate	6.428	43	1566099	237.956	ug/l	96
24) 1,1-Dichloroethane	6.381	63	201674	45.436	ug/l	99
25) 2-Butanone	7.328	43	466978	236.100	ug/l	93
26) 2,2-Dichloropropane	7.322	77	161050	43.177	ug/l	95
27) cis-1,2-Dichloroethene	7.322	96	121531	46.476	ug/l	95
28) Bromochloromethane	7.657	49	84629	44.904	ug/l	93
29) Tetrahydrofuran	7.681	42	304160	236.618	ug/l	94
30) Chloroform	7.816	83	224181	49.645	ug/l	97
31) Cyclohexane	8.092	56	173829	41.456	ug/l	93
32) 1,1,1-Trichloroethane	8.016	97	210129	50.734	ug/l	96
36) 1,1-Dichloropropene	8.216	75	152198	48.104	ug/l	97
37) Ethyl Acetate	7.410	43	184546	48.615	ug/l	98
38) Carbon Tetrachloride	8.204	117	187499	52.950	ug/l	98
39) Methylcyclohexane	9.457	83	176413	49.612	ug/l	95
40) Benzene	8.457	78	440929	46.651	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	96103	51.128	ug/l	89
42) 1,2-Dichloroethane	8.528	62	198940	52.368	ug/l	96
43) Isopropyl Acetate	8.557	43	355638	60.994	ug/l #	88
44) Trichloroethene	9.216	130	114888	47.883	ug/l	96
45) 1,2-Dichloropropane	9.486	63	114042	47.246	ug/l	99
46) Dibromomethane	9.575	93	83997	49.978	ug/l	96
47) Bromodichloromethane	9.757	83	177609	51.836	ug/l	97
48) Methyl methacrylate	9.557	41	137039	50.375	ug/l	90
49) 1,4-Dioxane	9.563	88	54778	1180.422	ug/l #	93
51) 4-Methyl-2-Pentanone	10.328	43	934378	258.073	ug/l	94
52) Toluene	10.504	92	288932	49.576	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	187356	53.719	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	192640	51.770	ug/l #	90
55) 1,1,2-Trichloroethane	10.892	97	119610	49.265	ug/l	99
56) Ethyl methacrylate	10.757	69	195293	56.124	ug/l #	88
57) 1,3-Dichloropropane	11.039	76	205537	49.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	293535	307.751	ug/l	98
59) 2-Hexanone	11.080	43	698642	275.197	ug/l	92
60) Dibromochloromethane	11.233	129	141358	54.809	ug/l	100
61) 1,2-Dibromoethane	11.339	107	128192	52.980	ug/l	99
64) Tetrachloroethene	10.975	164	102195	45.695	ug/l	97
65) Chlorobenzene	11.769	112	311433	49.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	128993	50.769	ug/l	97
67) Ethyl Benzene	11.839	91	575520	52.546	ug/l	98
68) m/p-Xylenes	11.951	106	437917	105.421	ug/l	91
69) o-Xylene	12.275	106	220139	53.937	ug/l	95
70) Styrene	12.292	104	352822	56.507	ug/l	96
71) Bromoform	12.451	173	106374	56.756	ug/l #	99
73) Isopropylbenzene	12.575	105	583005	48.822	ug/l	98
74) N-amyl acetate	12.380	43	210346	49.834	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.822	83	181591	41.887	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	169208m	45.006	ug/l	
77) Bromobenzene	12.857	156	136211	47.677	ug/l	98
78) n-propylbenzene	12.916	91	627929	49.141	ug/l	98
79) 2-Chlorotoluene	13.004	91	402924	47.998	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	492321	50.339	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.622	75	51636	45.818	ug/l	90
82) 4-Chlorotoluene	13.098	91	384721	48.359	ug/l	96
83) tert-Butylbenzene	13.316	119	437945	51.151	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	488188	51.313	ug/l	95
85) sec-Butylbenzene	13.498	105	574653	50.326	ug/l	98
86) p-Isopropyltoluene	13.610	119	479410	53.900	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	238747	48.455	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	231912	47.313	ug/l	98
89) n-Butylbenzene	13.939	91	350896	51.610	ug/l	99
90) Hexachloroethane	14.204	117	88415	49.744	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	237468	48.256	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	42160	55.926	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	108849	58.392	ug/l	97
94) Hexachlorobutadiene	15.363	225	60244	48.810	ug/l	100
95) Naphthalene	15.504	128	352349	51.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	111697	59.792	ug/l	97

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

