

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102022\
 Data File : VN074942.D
 Acq On : 20 Oct 2022 15:16
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 21 03:05:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 03:02:02 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/21/2022
 Supervised By : Mahesh Dadoda 10/21/2022

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	477402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	813964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	897952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	596475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	256712	22.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	44.760%#		
35) Dibromofluoromethane	8.171	113	208379	23.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	46.840%#		
50) Toluene-d8	10.571	98	798254	22.393	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	44.780%#		
62) 4-Bromofluorobenzene	12.847	95	275224	26.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	53.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	146395	18.339	ug/l	98
3) Chloromethane	2.377	50	176348	15.153	ug/l	98
4) Vinyl Chloride	2.524	62	248469	13.528	ug/l	99
5) Bromomethane	2.942	94	198266	11.119	ug/l	94
6) Chloroethane	3.112	64	193852	11.591	ug/l	91
7) Trichlorofluoromethane	3.506	101	258187	20.221	ug/l	96
8) Diethyl Ether	3.977	74	102638	18.128	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	156501	20.146	ug/l	99
10) Methyl Iodide	4.606	142	206602	19.153	ug/l	99
11) Tert butyl alcohol	5.547	59	254653	95.084	ug/l	99
12) 1,1-Dichloroethene	4.353	96	135434	17.965	ug/l	95
13) Acrolein	4.189	56	137158	78.021	ug/l	96
14) Allyl chloride	5.036	41	219699	15.936	ug/l	95
15) Acrylonitrile	5.736	53	526883	84.797	ug/l	99
16) Acetone	4.436	43	513269	96.389	ug/l	97
17) Carbon Disulfide	4.718	76	284415	17.218	ug/l	98
18) Methyl Acetate	5.042	43	300506	15.922	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	574876	19.689	ug/l	98
20) Methylene Chloride	5.294	84	177332	16.471	ug/l #	93
21) trans-1,2-Dichloroethene	5.800	96	149923	18.194	ug/l	91
22) Diisopropyl ether	6.689	45	510115	17.324	ug/l	95
23) Vinyl Acetate	6.618	43	2046577m	86.523	ug/l	
24) 1,1-Dichloroethane	6.577	63	314891	18.279	ug/l	97
25) 2-Butanone	7.494	43	739548	85.374	ug/l	100
26) 2,2-Dichloropropane	7.494	77	290430	21.226	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	197944	18.894	ug/l	97
28) Bromochloromethane	7.812	49	141861	18.353	ug/l	98
29) Tetrahydrofuran	7.847	42	461680	79.323	ug/l	98
30) Chloroform	7.971	83	345877	19.480	ug/l	95
31) Cyclohexane	8.265	56	253180	17.953	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	312676	20.782	ug/l	94
36) 1,1-Dichloropropene	8.383	75	231909	19.099	ug/l	96
37) Ethyl Acetate	7.565	43	286567	17.584	ug/l	99
38) Carbon Tetrachloride	8.365	117	259097	21.448	ug/l	96
39) Methylcyclohexane	9.606	83	286226	20.719	ug/l	96
40) Benzene	8.612	78	734424	18.869	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	138384	16.154	ug/l	98
42) 1,2-Dichloroethane	8.677	62	288075	22.107	ug/l	100
43) Isopropyl Acetate	8.694	43	440989	16.732	ug/l	99
44) Trichloroethene	9.353	130	176384	20.061	ug/l	98
45) 1,2-Dichloropropane	9.624	63	189687	18.004	ug/l	94
46) Dibromomethane	9.712	93	139095	20.562	ug/l	98
47) Bromodichloromethane	9.888	83	284583	20.969	ug/l	99
48) Methyl methacrylate	9.682	41	204052	17.303	ug/l	95
49) 1,4-Dioxane	9.700	88	108702	410.873	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	1483014	86.965	ug/l	99
52) Toluene	10.629	92	477603	19.936	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	293295	21.062	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	308206	20.511	ug/l	99
55) 1,1,2-Trichloroethane	11.024	97	197982	19.959	ug/l	98
56) Ethyl methacrylate	10.876	69	315805	20.004	ug/l	96
57) 1,3-Dichloropropane	11.165	76	346260	19.779	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	769396	118.755	ug/l	99
59) 2-Hexanone	11.194	43	1154675	92.068	ug/l	99
60) Dibromochloromethane	11.365	129	215290	22.180	ug/l	100
61) 1,2-Dibromoethane	11.471	107	207176	21.544	ug/l	97
64) Tetrachloroethene	11.106	164	140280	18.788	ug/l	91
65) Chlorobenzene	11.894	112	522557	20.498	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	198171	20.981	ug/l	99
67) Ethyl Benzene	11.965	91	959607	21.413	ug/l	99
68) m/p-Xylenes	12.071	106	746748	44.026	ug/l	100
69) o-Xylene	12.400	106	372104	21.109	ug/l	97
70) Styrene	12.412	104	603051	21.985	ug/l	99
71) Bromoform	12.582	173	152285	22.768	ug/l #	97
73) Isopropylbenzene	12.694	105	959855	18.107	ug/l	98
74) N-amyl acetate	12.494	43	392077	14.971	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	349233	16.886	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	309017m	20.612	ug/l	
77) Bromobenzene	12.982	156	209023	17.703	ug/l	99
78) n-propylbenzene	13.035	91	1127974	18.963	ug/l	98
79) 2-Chlorotoluene	13.123	91	678890	20.050	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	834178	20.124	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	99481	17.958	ug/l	93
82) 4-Chlorotoluene	13.123	91	678890	20.050	ug/l	97
83) tert-Butylbenzene	13.441	119	725704	18.814	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	847894	21.379	ug/l	99
85) sec-Butylbenzene	13.617	105	1052620	20.083	ug/l	100
86) p-Isopropyltoluene	13.729	119	871566	21.979	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	423805	21.527	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	421468	21.325	ug/l	98
89) n-Butylbenzene	14.059	91	757685	23.081	ug/l	98
90) Hexachloroethane	14.335	117	156601	18.783	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	419431	21.130	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	71801	21.564	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	188115	19.188	ug/l	98
94) Hexachlorobutadiene	15.500	225	96033	19.151	ug/l	99
95) Naphthalene	15.641	128	702104	19.184	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	184714	18.474	ug/l	98

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

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