

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112122\
 Data File : VN075339.D
 Acq On : 21 Nov 2022 12:17
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 22 04:48:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 04:47:05 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2022
 Supervised By : Mahesh Dadoda 11/23/2022

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	155450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	16629	8.759	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	17.520%#		
35) Dibromofluoromethane	8.171	113	20100	13.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	27.600%#		
50) Toluene-d8	10.565	98	46104	8.616	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	17.240%#		
62) 4-Bromofluorobenzene	12.847	95	33145	16.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	23825	12.608	ug/l	98
3) Chloromethane	2.371	50	28216	13.872	ug/l	99
4) Vinyl Chloride	2.524	62	36294	12.689	ug/l	89
5) Bromomethane	2.924	94	32873	13.720	ug/l	89
6) Chloroethane	3.112	64	26989	13.055	ug/l	90
7) Trichlorofluoromethane	3.495	101	50827	16.655	ug/l	95
8) Diethyl Ether	3.971	74	19020	17.047	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	29798	17.629	ug/l	96
10) Methyl Iodide	4.594	142	45612	17.796	ug/l	97
11) Tert butyl alcohol	5.536	59	32291	69.052	ug/l #	84
12) 1,1-Dichloroethene	4.347	96	28454	17.595	ug/l	99
13) Acrolein	4.194	56	29273	76.103	ug/l	95
14) Allyl chloride	5.030	41	33787	14.766	ug/l	93
15) Acrylonitrile	5.730	53	78233	78.483	ug/l	98
16) Acetone	4.436	43	74476	85.589	ug/l	95
17) Carbon Disulfide	4.724	76	72951	17.908	ug/l	99
18) Methyl Acetate	5.036	43	41396	14.979	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	97934	16.485	ug/l	95
20) Methylene Chloride	5.283	84	32371	16.752	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	31426	17.679	ug/l	95
22) Diisopropyl ether	6.683	45	82738	16.091	ug/l	92
23) Vinyl Acetate	6.612	43	338786m	79.297	ug/l	
24) 1,1-Dichloroethane	6.577	63	54147	16.560	ug/l	96
25) 2-Butanone	7.488	43	105914	78.780	ug/l	100
26) 2,2-Dichloropropane	7.494	77	47762	15.894	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	37134	17.524	ug/l	94
28) Bromochloromethane	7.818	49	21752	15.990	ug/l	87
29) Tetrahydrofuran	7.847	42	65901	76.372	ug/l	99
30) Chloroform	7.965	83	59465	16.757	ug/l	95
31) Cyclohexane	8.259	56	50016	16.535	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	55003	17.024	ug/l	97
36) 1,1-Dichloropropene	8.377	75	42580	18.151	ug/l	96
37) Ethyl Acetate	7.565	43	38116	15.023	ug/l	98
38) Carbon Tetrachloride	8.359	117	49443	19.131	ug/l	99
39) Methylcyclohexane	9.600	83	54305	17.645	ug/l	97
40) Benzene	8.612	78	130332	18.151	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	21218	17.619	ug/l	98
42) 1,2-Dichloroethane	8.677	62	44359	17.215	ug/l	95
43) Isopropyl Acetate	8.688	43	63113	16.157	ug/l	96
44) Trichloroethene	9.359	130	36213	19.766	ug/l	91
45) 1,2-Dichloropropane	9.624	63	30630	17.986	ug/l	91
46) Dibromomethane	9.712	93	24096	18.125	ug/l	93
47) Bromodichloromethane	9.888	83	46478	18.056	ug/l #	97
48) Methyl methacrylate	9.682	41	29849	16.549	ug/l	97
49) 1,4-Dioxane	9.700	88	17062	354.580	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	204303	81.130	ug/l	97
52) Toluene	10.629	92	86268	18.126	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	47376	17.557	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	50689	17.645	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	34537	18.288	ug/l	96
56) Ethyl methacrylate	10.871	69	47928	16.753	ug/l	98
57) 1,3-Dichloropropane	11.165	76	56720	18.020	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	94711	86.644	ug/l	96
59) 2-Hexanone	11.194	43	153363	80.182	ug/l	97
60) Dibromochloromethane	11.359	129	37391	18.565	ug/l	97
61) 1,2-Dibromoethane	11.470	107	34924	17.969	ug/l	98
64) Tetrachloroethene	11.106	164	33521	22.378	ug/l	90
65) Chlorobenzene	11.894	112	94797	18.890	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	34842	18.687	ug/l	98
67) Ethyl Benzene	11.965	91	163260	18.215	ug/l	96
68) m/p-Xylenes	12.070	106	132482	37.023	ug/l	99
69) o-Xylene	12.400	106	65321	18.432	ug/l	97
70) Styrene	12.412	104	104336	18.403	ug/l	99
71) Bromoform	12.576	173	26896	19.042	ug/l #	97
73) Isopropylbenzene	12.694	105	166302	17.538	ug/l	97
74) N-amyl acetate	12.494	43	53271	15.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	52383	17.362	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	44307m	17.952	ug/l	
77) Bromobenzene	12.982	156	41167	19.335	ug/l	87
78) n-propylbenzene	13.035	91	189671	17.789	ug/l	100
79) 2-Chlorotoluene	13.123	91	112210	17.310	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	142306	17.872	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	14954	15.555	ug/l	93
82) 4-Chlorotoluene	13.123	91	112210	17.310	ug/l	98
83) tert-Butylbenzene	13.441	119	125156	17.635	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	140369	17.447	ug/l	99
85) sec-Butylbenzene	13.617	105	176713	17.835	ug/l	99
86) p-Isopropyltoluene	13.729	119	151388	18.462	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	77829	18.819	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	78022	19.049	ug/l	99
89) n-Butylbenzene	14.059	91	123400	18.625	ug/l	98
90) Hexachloroethane	14.329	117	25058	16.736	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	76976	18.694	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10143	16.073	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	37575	20.410	ug/l	96
94) Hexachlorobutadiene	15.500	225	19629	21.424	ug/l	97
95) Naphthalene	15.641	128	124400	18.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	36696	20.192	ug/l	99

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

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