

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051022\
 Data File : VN072391.D
 Acq On : 10 May 2022 14:18
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: May 10 15:31:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:27:58 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	240385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	396582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	361781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	151673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	70169	19.309	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	38.620%#		
35) Dibromofluoromethane	8.016	113	50006	19.708	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	39.420%#		
50) Toluene-d8	10.439	98	191862	19.356	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	38.720%#		
62) 4-Bromofluorobenzene	12.727	95	64470	19.635	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	39.260%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	60374	20.016	ug/l	98
3) Chloromethane	2.299	50	59913	16.419	ug/l	94
4) Vinyl Chloride	2.440	62	51400	19.002	ug/l	98
5) Bromomethane	2.840	94	30143	20.197	ug/l	98
6) Chloroethane	3.010	64	28318	16.362	ug/l	95
7) Trichlorofluoromethane	3.369	101	96550	20.242	ug/l	97
8) Diethyl Ether	3.828	74	34142	19.963	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.210	101	51902	20.733	ug/l	99
10) Methyl Iodide	4.422	142	70547	22.730	ug/l	91
11) Tert butyl alcohol	5.351	59	58449	97.801	ug/l #	88
12) 1,1-Dichloroethene	4.181	96	48291	20.892	ug/l	96
13) Acrolein	4.046	56	56958	93.486	ug/l	98
14) Allyl chloride	4.840	41	90660	19.166	ug/l	97
15) Acrylonitrile	5.551	53	168437	93.808	ug/l	99
16) Acetone	4.287	43	147072	93.679	ug/l	98
17) Carbon Disulfide	4.528	76	124564	20.732	ug/l #	95
18) Methyl Acetate	4.857	43	86207	17.375	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	178652	19.903	ug/l	96
20) Methylene Chloride	5.098	84	57929	19.025	ug/l	95
21) trans-1,2-Dichloroethene	5.598	96	51224	20.119	ug/l	100
22) Diisopropyl ether	6.492	45	188285	19.358	ug/l	98
23) Vinyl Acetate	6.434	43	793504	97.184	ug/l	96
24) 1,1-Dichloroethane	6.387	63	103031	18.883	ug/l	99
25) 2-Butanone	7.328	43	227281	91.159	ug/l	95
26) 2,2-Dichloropropane	7.322	77	85474	19.924	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	61413	19.869	ug/l	94
28) Bromochloromethane	7.657	49	40603	16.917	ug/l	88
29) Tetrahydrofuran	7.686	42	156637	95.649	ug/l	89
30) Chloroform	7.810	83	107748	19.536	ug/l	99
31) Cyclohexane	8.092	56	94271	19.087	ug/l	89
32) 1,1,1-Trichloroethane	8.010	97	97397	20.625	ug/l	99
36) 1,1-Dichloropropene	8.216	75	75454	20.191	ug/l	97
37) Ethyl Acetate	7.404	43	95327	19.566	ug/l	96
38) Carbon Tetrachloride	8.198	117	84898	20.990	ug/l	94
39) Methylcyclohexane	9.457	83	88901	21.201	ug/l	98
40) Benzene	8.457	78	228459	19.840	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	47568	19.593	ug/l	88
42) 1,2-Dichloroethane	8.528	62	92031	20.791	ug/l	97
43) Isopropyl Acetate	8.557	43	143291	17.906	ug/l	97
44) Trichloroethene	9.210	130	57861	21.294	ug/l	84
45) 1,2-Dichloropropane	9.486	63	59988	19.385	ug/l	98
46) Dibromomethane	9.575	93	41129	20.962	ug/l	94
47) Bromodichloromethane	9.757	83	85169	20.817	ug/l	95
48) Methyl methacrylate	9.557	41	70728	21.790	ug/l	92
49) 1,4-Dioxane	9.557	88	23686	420.142	ug/l #	94
51) 4-Methyl-2-Pentanone	10.327	43	464190	101.159	ug/l	93
52) Toluene	10.498	92	144759	20.989	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	84194	20.417	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	93056	20.905	ug/l #	91
55) 1,1,2-Trichloroethane	10.892	97	60205	20.880	ug/l	97
56) Ethyl methacrylate	10.757	69	88212	20.737	ug/l	87
57) 1,3-Dichloropropane	11.039	76	102169	20.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	90427	91.871	ug/l	95
59) 2-Hexanone	11.080	43	327658	101.406	ug/l	91
60) Dibromochloromethane	11.233	129	62611	21.020	ug/l	99
61) 1,2-Dibromoethane	11.339	107	59482	20.819	ug/l	99
64) Tetrachloroethene	10.975	164	53073	23.661	ug/l	93
65) Chlorobenzene	11.763	112	149830	20.383	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.839	131	57003	20.538	ug/l	98
67) Ethyl Benzene	11.839	91	265576	20.826	ug/l	100
68) m/p-Xylenes	11.951	106	205667	43.179	ug/l	95
69) o-Xylene	12.274	106	101640	22.024	ug/l	96
70) Styrene	12.292	104	156377	21.546	ug/l	97
71) Bromoform	12.451	173	43401	20.893	ug/l #	97
73) Isopropylbenzene	12.574	105	261048	19.595	ug/l	98
74) N-amyl acetate	12.380	43	91316	18.571	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	86605	16.848	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	77748m	17.606	ug/l	
77) Bromobenzene	12.851	156	60044	18.897	ug/l	93
78) n-propylbenzene	12.916	91	282068	19.279	ug/l	97
79) 2-Chlorotoluene	13.004	91	178399	18.552	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	214561	19.280	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	22633	17.589	ug/l	90
82) 4-Chlorotoluene	13.098	91	167377	18.713	ug/l	96
83) tert-Butylbenzene	13.321	119	191449	19.629	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	210764	19.685	ug/l	97
85) sec-Butylbenzene	13.498	105	250493	19.680	ug/l	98
86) p-Isopropyltoluene	13.610	119	199309	20.092	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	102311	19.869	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	99969	19.954	ug/l	96
89) n-Butylbenzene	13.939	91	145301	19.233	ug/l	97
90) Hexachloroethane	14.204	117	36656	17.082	ug/l	91
91) 1,2-Dichlorobenzene	13.980	146	105416	20.671	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.598	75	16179	17.647	ug/l	91
93) 1,2,4-Trichlorobenzene	15.262	180	40294	20.202	ug/l	98
94) Hexachlorobutadiene	15.362	225	24728	18.196	ug/l	97
95) Naphthalene	15.504	128	112736	19.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	40078	20.650	ug/l	96

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

