

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071530.D
 Acq On : 24 Mar 2022 19:58
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 09:33:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:31:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	636084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1012002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	904051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	360233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	164146	22.508	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	45.020%#		
35) Dibromofluoromethane	8.022	113	135161	22.576	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	45.160%#		
50) Toluene-d8	10.439	98	542284	22.553	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	45.100%#		
62) 4-Bromofluorobenzene	12.727	95	168239	19.884	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	39.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	137068	20.800	ug/l	99
3) Chloromethane	2.299	50	165158	20.028	ug/l	99
4) Vinyl Chloride	2.440	62	184536	21.924	ug/l	96
5) Bromomethane	2.857	94	123006	25.518	ug/l	97
6) Chloroethane	3.016	64	119104	21.513	ug/l	97
7) Trichlorofluoromethane	3.375	101	211658	20.337	ug/l	96
8) Diethyl Ether	3.828	74	88625	19.702	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	126669	19.934	ug/l	99
10) Methyl Iodide	4.422	142	180459	20.482	ug/l	100
11) Tert butyl alcohol	5.357	59	142595	106.188	ug/l	99
12) 1,1-Dichloroethene	4.187	96	123814	19.885	ug/l	95
13) Acrolein	4.045	56	112228	94.647	ug/l	96
14) Allyl chloride	4.840	41	197636	17.082	ug/l	100
15) Acrylonitrile	5.551	53	404893	103.633	ug/l	99
16) Acetone	4.287	43	322452	83.014	ug/l	99
17) Carbon Disulfide	4.534	76	312983	17.820	ug/l	99
18) Methyl Acetate	4.851	43	173232	17.985	ug/l	99
19) Methyl tert-butyl Ether	5.610	73	442038	20.375	ug/l	100
20) Methylene Chloride	5.092	84	147701	20.319	ug/l	96
21) trans-1,2-Dichloroethene	5.598	96	131769	19.796	ug/l	97
22) Diisopropyl ether	6.492	45	423920	18.989	ug/l	98
23) Vinyl Acetate	6.434	43	1808286	95.518	ug/l	100
24) 1,1-Dichloroethane	6.386	63	250708	19.778	ug/l	99
25) 2-Butanone	7.333	43	518083	98.212	ug/l	99
26) 2,2-Dichloropropane	7.322	77	211212	20.053	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	164360	21.386	ug/l	96
28) Bromochloromethane	7.651	49	106799	20.918	ug/l	100
29) Tetrahydrofuran	7.681	42	358708	104.233	ug/l	99
30) Chloroform	7.816	83	255221	20.390	ug/l	99
31) Cyclohexane	8.092	56	230491	18.747	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	220834	20.463	ug/l	99
36) 1,1-Dichloropropene	8.222	75	186846	19.205	ug/l	99
37) Ethyl Acetate	7.410	43	215360	20.516	ug/l	99
38) Carbon Tetrachloride	8.204	117	183753	19.193	ug/l	97
39) Methylcyclohexane	9.457	83	231331	18.532	ug/l	98
40) Benzene	8.457	78	588451	20.305	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	92121	17.206	ug/l	97
42) 1,2-Dichloroethane	8.528	62	204001	20.546	ug/l	100
43) Isopropyl Acetate	8.557	43	327369	19.946	ug/l	99
44) Trichloroethene	9.210	130	151161	19.831	ug/l	100
45) 1,2-Dichloropropane	9.486	63	146538	19.863	ug/l	97
46) Dibromomethane	9.575	93	100590	20.597	ug/l	99
47) Bromodichloromethane	9.757	83	194415	19.704	ug/l	100
48) Methyl methacrylate	9.557	41	149895	19.309	ug/l	100
49) 1,4-Dioxane	9.563	88	65845	454.630	ug/l	98
51) 4-Methyl-2-Pentanone	10.327	43	1033762	102.449	ug/l	99
52) Toluene	10.504	92	377181	20.730	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	205774	19.272	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	227365	19.410	ug/l	100
55) 1,1,2-Trichloroethane	10.892	97	148119	20.723	ug/l	98
56) Ethyl methacrylate	10.757	69	221611	20.571	ug/l	99
57) 1,3-Dichloropropane	11.039	76	256135	20.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	243118	119.711	ug/l	100
59) 2-Hexanone	11.080	43	740470	106.161	ug/l	100
60) Dibromochloromethane	11.233	129	150222	20.076	ug/l	99
61) 1,2-Dibromoethane	11.345	107	152002	20.878	ug/l	99
64) Tetrachloroethene	10.974	164	130637	18.922	ug/l	99
65) Chlorobenzene	11.768	112	395618	20.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	143985	20.476	ug/l	98
67) Ethyl Benzene	11.839	91	685259	20.269	ug/l	99
68) m/p-Xylenes	11.951	106	528768	40.567	ug/l	100
69) o-Xylene	12.274	106	263664	20.634	ug/l	100
70) Styrene	12.292	104	401789	19.876	ug/l	99
71) Bromoform	12.457	173	109787	19.616	ug/l #	99
73) Isopropylbenzene	12.574	105	660704	22.494	ug/l	99
74) N-amyl acetate	12.386	43	196099	20.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	221424	23.465	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	170545m	20.697	ug/l	
77) Bromobenzene	12.857	156	158749	22.128	ug/l	98
78) n-propylbenzene	12.915	91	697977	21.276	ug/l	99
79) 2-Chlorotoluene	13.004	91	448334	22.429	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	531487	22.453	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	59315	22.018	ug/l	96
82) 4-Chlorotoluene	13.104	91	410540	21.326	ug/l	100
83) tert-Butylbenzene	13.321	119	472128	21.101	ug/l	99
84) 1,2,4-Trimethylbenzene	13.362	105	511455	21.950	ug/l	100
85) sec-Butylbenzene	13.498	105	623204	21.135	ug/l	99
86) p-Isopropyltoluene	13.610	119	497510	20.644	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	256291	20.420	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	249699	20.290	ug/l	98
89) n-Butylbenzene	13.939	91	344076	17.730	ug/l	100
90) Hexachloroethane	14.204	117	92611	21.378	ug/l	100
91) 1,2-Dichlorobenzene	13.986	146	257958	21.799	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	38113	24.761	ug/l	97
93) 1,2,4-Trichlorobenzene	15.256	180	106705	18.551	ug/l	99
94) Hexachlorobutadiene	15.362	225	71477	17.157	ug/l	98
95) Naphthalene	15.504	128	286155	22.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	109288	20.667	ug/l	98

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

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