

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071648.D
 Acq On : 30 Mar 2022 10:28
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Mar 30 12:06:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 12:03:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	559294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	878169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	782116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	282181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	33142	4.983	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.960%#		
35) Dibromofluoromethane	8.016	113	25010	4.678	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.360%#		
50) Toluene-d8	10.433	98	106688	4.837	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.680%#		
62) 4-Bromofluorobenzene	12.727	95	32932	4.565	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.140%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	21891	4.071	ug/l	99
3) Chloromethane	2.299	50	28980	4.553	ug/l	98
4) Vinyl Chloride	2.446	62	32795	4.634	ug/l	95
5) Bromomethane	2.834	94	23478	5.675	ug/l	90
6) Chloroethane	3.005	64	26954	5.266	ug/l	94
7) Trichlorofluoromethane	3.375	101	39996	4.716	ug/l	93
8) Diethyl Ether	3.822	74	17450	4.937	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	24757	4.802	ug/l	97
10) Methyl Iodide	4.428	142	34548	4.573	ug/l	99
11) Tert butyl alcohol	5.369	59	24049	20.460	ug/l	97
12) 1,1-Dichloroethene	4.181	96	24223	4.872	ug/l	94
13) Acrolein	4.046	56	30033	27.979	ug/l	95
14) Allyl chloride	4.840	41	38248	4.791	ug/l	99
15) Acrylonitrile	5.551	53	75047	22.764	ug/l	98
16) Acetone	4.281	43	67665	24.481	ug/l	96
17) Carbon Disulfide	4.528	76	58638	4.767	ug/l	99
18) Methyl Acetate	4.851	43	51977	6.079	ug/l	100
19) Methyl tert-butyl Ether	5.604	73	88148	4.818	ug/l	97
20) Methylene Chloride	5.093	84	29606	4.873	ug/l	98
21) trans-1,2-Dichloroethene	5.598	96	26932	5.039	ug/l	94
22) Diisopropyl ether	6.493	45	81542	4.768	ug/l	98
23) Vinyl Acetate	6.428	43	295433	20.507	ug/l	99
24) 1,1-Dichloroethane	6.381	63	49469	4.868	ug/l	98
25) 2-Butanone	7.328	43	96585	22.584	ug/l	99
26) 2,2-Dichloropropane	7.322	77	40626	4.650	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	31089	4.723	ug/l	98
28) Bromochloromethane	7.645	49	18971	4.713	ug/l	96
29) Tetrahydrofuran	7.681	42	63007	22.650	ug/l	96
30) Chloroform	7.810	83	51442	4.931	ug/l	98
31) Cyclohexane	8.092	56	52262	5.627	ug/l #	82
32) 1,1,1-Trichloroethane	8.004	97	44027	4.875	ug/l	97
36) 1,1-Dichloropropene	8.216	75	38770	5.024	ug/l	98
37) Ethyl Acetate	7.404	43	37967	4.468	ug/l	99
38) Carbon Tetrachloride	8.198	117	36281	4.756	ug/l	98
39) Methylcyclohexane	9.451	83	45313	4.762	ug/l	95
40) Benzene	8.451	78	119943	5.062	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	19440	4.724	ug/l	96
42) 1,2-Dichloroethane	8.522	62	42019	5.132	ug/l	99
43) Isopropyl Acetate	8.551	43	65814	4.402	ug/l	96
44) Trichloroethene	9.210	130	31500	5.044	ug/l	97
45) 1,2-Dichloropropane	9.486	63	28526	4.875	ug/l	100
46) Dibromomethane	9.575	93	19879	4.967	ug/l	97
47) Bromodichloromethane	9.757	83	37204	4.716	ug/l	98
48) Methyl methacrylate	9.551	41	25215	4.184	ug/l	97
49) 1,4-Dioxane	9.563	88	11084	82.502	ug/l #	96
51) 4-Methyl-2-Pentanone	10.322	43	183683	22.157	ug/l	98
52) Toluene	10.498	92	75291	4.929	ug/l	100
53) t-1,3-Dichloropropene	10.710	75	38548	4.492	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	45242	4.849	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	29769	4.826	ug/l	98
56) Ethyl methacrylate	10.757	69	40760	4.437	ug/l	97
57) 1,3-Dichloropropane	11.039	76	50117	4.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	41642	17.786	ug/l	98
59) 2-Hexanone	11.080	43	126399	21.340	ug/l	98
60) Dibromochloromethane	11.233	129	28393	4.603	ug/l	98
61) 1,2-Dibromoethane	11.339	107	29515	4.745	ug/l	99
64) Tetrachloroethene	10.969	164	27312	5.073	ug/l	95
65) Chlorobenzene	11.763	112	80753	4.958	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	27919	4.783	ug/l	99
67) Ethyl Benzene	11.839	91	136631	4.865	ug/l	95
68) m/p-Xylenes	11.945	106	104351	9.762	ug/l	99
69) o-Xylene	12.275	106	52014	4.846	ug/l	99
70) Styrene	12.292	104	73591	4.493	ug/l	97
71) Bromoform	12.457	173	20793	4.509	ug/l #	97
73) Isopropylbenzene	12.569	105	127190	5.147	ug/l	100
74) N-amyl acetate	12.386	43	33307	4.437	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.822	83	42220	5.107	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	34658m	5.121	ug/l	
77) Bromobenzene	12.857	156	30531	4.908	ug/l	96
78) n-propylbenzene	12.916	91	130399	4.893	ug/l	99
79) 2-Chlorotoluene	13.004	91	85821	5.142	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	102042	5.229	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.616	75	10101	4.309	ug/l	92
82) 4-Chlorotoluene	13.098	91	79730	5.118	ug/l	99
83) tert-Butylbenzene	13.316	119	92005	5.134	ug/l	100
84) 1,2,4-Trimethylbenzene	13.363	105	98776	5.160	ug/l	100
85) sec-Butylbenzene	13.492	105	119142	5.040	ug/l	99
86) p-Isopropyltoluene	13.610	119	93037	4.945	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	48637	4.849	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	48204	4.841	ug/l	95
89) n-Butylbenzene	13.939	91	64844	4.562	ug/l	99
90) Hexachloroethane	14.204	117	16674	4.727	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	46477	4.743	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	5712	4.008	ug/l	98
93) 1,2,4-Trichlorobenzene	15.257	180	15667	3.613	ug/l	98
94) Hexachlorobutadiene	15.363	225	14878	5.430	ug/l	94
95) Naphthalene	15.498	128	30300	2.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	13812	3.186	ug/l	98

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

