

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073887.D
 Acq On : 15 Aug 2022 10:26
 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 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

Quant Time: Aug 15 13:05:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 13:00:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	613330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	885253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	783227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	376148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	32458	4.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	8.680%#		
35) Dibromofluoromethane	7.951	113	27930	5.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.040%#		
50) Toluene-d8	10.380	98	105876	4.840	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.680%#		
62) 4-Bromofluorobenzene	12.668	95	33918	5.014	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	22655	3.808	ug/l	98
3) Chloromethane	2.269	50	24988	2.914	ug/l #	88
4) Vinyl Chloride	2.404	62	32273	3.102	ug/l	94
5) Bromomethane	2.787	94	23999	3.977	ug/l	91
6) Chloroethane	2.957	64	24677	3.401	ug/l #	88
7) Trichlorofluoromethane	3.310	101	44822	4.180	ug/l	94
8) Diethyl Ether	3.763	74	15940	3.959	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.140	101	25870	4.361	ug/l	91
10) Methyl Iodide	4.351	142	27149	4.502	ug/l	97
11) Tert butyl alcohol	5.292	59	31909	19.795	ug/l	100
12) 1,1-Dichloroethene	4.110	96	23705	4.074	ug/l	87
13) Acrolein	3.981	56	26361	16.495	ug/l	97
14) Allyl chloride	4.763	41	35574	3.824	ug/l	99
15) Acrylonitrile	5.469	53	78046	17.503	ug/l	98
16) Acetone	4.222	43	67352	16.777	ug/l	96
17) Carbon Disulfide	4.451	76	56142	3.639	ug/l	99
18) Methyl Acetate	4.775	43	46783	4.684	ug/l	100
19) Methyl tert-butyl Ether	5.528	73	84415	4.246	ug/l	96
20) Methylene Chloride	5.010	84	30044	3.546	ug/l	96
21) trans-1,2-Dichloroethene	5.510	96	27380	4.347	ug/l	91
22) Diisopropyl ether	6.404	45	74587	3.716	ug/l	95
23) Vinyl Acetate	6.345	43	304698	18.106	ug/l	98
24) 1,1-Dichloroethane	6.298	63	46749	3.786	ug/l	95
25) 2-Butanone	7.263	43	107886	17.305	ug/l	97
26) 2,2-Dichloropropane	7.245	77	43926	4.624	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	32970	4.248	ug/l	93
28) Bromochloromethane	7.581	49	18790	3.624	ug/l	82
29) Tetrahydrofuran	7.610	42	68263	17.318	ug/l	94
30) Chloroform	7.745	83	51764	4.024	ug/l	98
31) Cyclohexane	8.016	56	47396	4.259	ug/l #	76
32) 1,1,1-Trichloroethane	7.939	97	45303	4.241	ug/l	95
36) 1,1-Dichloropropene	8.151	75	36265	4.577	ug/l	98
37) Ethyl Acetate	7.334	43	42037	4.029	ug/l	99
38) Carbon Tetrachloride	8.133	117	40682	5.056	ug/l	87
39) Methylcyclohexane	9.392	83	44317	4.681	ug/l	93
40) Benzene	8.392	78	114879	4.465	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	17900	3.791	ug/l	95
42) 1,2-Dichloroethane	8.457	62	39986	4.612	ug/l	99
43) Isopropyl Acetate	8.492	43	61290	4.349	ug/l	98
44) Trichloroethene	9.151	130	32572	4.993	ug/l	89
45) 1,2-Dichloropropane	9.428	63	27210	4.231	ug/l	99
46) Dibromomethane	9.516	93	20190	4.524	ug/l #	87
47) Bromodichloromethane	9.698	83	38238	4.464	ug/l	98
48) Methyl methacrylate	9.492	41	24783	4.017	ug/l	85
49) 1,4-Dioxane	9.504	88	14721	84.656	ug/l	90
51) 4-Methyl-2-Pentanone	10.269	43	203666	20.149	ug/l	100
52) Toluene	10.439	92	77536	4.934	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	40344	4.767	ug/l	98
54) cis-1,3-Dichloropropene	10.122	75	44106	4.625	ug/l	97
55) 1,1,2-Trichloroethane	10.833	97	30847	4.707	ug/l	96
56) Ethyl methacrylate	10.698	69	41762	4.624	ug/l	98
57) 1,3-Dichloropropane	10.986	76	50420	4.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	126956	31.255	ug/l	94
59) 2-Hexanone	11.022	43	157495	20.566	ug/l	98
60) Dibromochloromethane	11.180	129	32364	4.964	ug/l	99
61) 1,2-Dibromoethane	11.286	107	31954	4.735	ug/l	99
64) Tetrachloroethene	10.910	164	30956	4.973	ug/l	90
65) Chlorobenzene	11.710	112	84498	5.079	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	30681	5.142	ug/l	99
67) Ethyl Benzene	11.786	91	135692	4.835	ug/l	99
68) m/p-Xylenes	11.892	106	110988	10.368	ug/l	96
69) o-Xylene	12.216	106	54360	5.209	ug/l	96
70) Styrene	12.233	104	82068	4.912	ug/l	97
71) Bromoform	12.398	173	26138	5.307	ug/l #	100
73) Isopropylbenzene	12.516	105	134148	4.872	ug/l	97
74) N-amyl acetate	12.327	43	50481	4.852	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.768	83	46184	4.347	ug/l	97
76) 1,2,3-Trichloropropane	12.821	75	33976m	3.978	ug/l	
77) Bromobenzene	12.798	156	37107	5.175	ug/l	90
78) n-propylbenzene	12.863	91	142579	4.602	ug/l	96
79) 2-Chlorotoluene	12.945	91	91748	4.745	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	107113	4.727	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.568	75	13138	4.526	ug/l	98
82) 4-Chlorotoluene	13.045	91	86469	4.718	ug/l	95
83) tert-Butylbenzene	13.263	119	102409	5.102	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	109411	4.910	ug/l	99
85) sec-Butylbenzene	13.439	105	129941	4.684	ug/l	99
86) p-Isopropyltoluene	13.557	119	109019	4.985	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	64379	4.919	ug/l	96
88) 1,4-Dichlorobenzene	13.633	146	66012	5.041	ug/l	96
89) n-Butylbenzene	13.880	91	85461	4.803	ug/l	98
90) Hexachloroethane	14.151	117	20736	4.779	ug/l	90
91) 1,2-Dichlorobenzene	13.927	146	66490	5.013	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	9840	4.609	ug/l	80
93) 1,2,4-Trichlorobenzene	15.198	180	38245	5.807	ug/l	99
94) Hexachlorobutadiene	15.304	225	21375	5.970	ug/l	96
95) Naphthalene	15.433	128	121248	5.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	39723	5.730	ug/l	98

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

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