

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072830.D
 Acq On : 14 Jun 2022 12:58
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 14 14:07:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 14 14:06:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	309152	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	578671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	505615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	167766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	25361	3.198	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	6.400%	#	
35) Dibromofluoromethane	8.016	113	18788	3.520	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	7.040%	#	
50) Toluene-d8	10.439	98	73611	3.435	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	6.860%	#	
62) 4-Bromofluorobenzene	12.727	95	21941	2.910	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	5.820%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	14292	3.192	ug/l	94
3) Chloromethane	2.293	50	18007	3.432	ug/l	96
4) Vinyl Chloride	2.434	62	14179	2.790	ug/l	98
5) Bromomethane	2.828	94	6902	3.433	ug/l	94
6) Chloroethane	3.004	64	12222	3.326	ug/l	96
7) Trichlorofluoromethane	3.357	101	26244	3.276	ug/l	100
8) Diethyl Ether	3.822	74	11086	3.477	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.198	101	15623	3.492	ug/l	# 82
10) Methyl Iodide	4.404	142	13378	4.226	ug/l	99
11) Tert butyl alcohol	5.363	59	25372	3.239	ug/l	# 82
12) 1,1-Dichloroethene	4.169	96	15435	3.805	ug/l	94
13) Acrolein	4.045	56	10214	25.222	ug/l	95
14) Allyl chloride	4.828	41	34048	3.605	ug/l	# 90
15) Acrylonitrile	5.551	53	68588	18.065	ug/l	99
16) Acetone	4.281	43	61814	16.686	ug/l	# 87
17) Carbon Disulfide	4.522	76	37110	3.817	ug/l	98
18) Methyl Acetate	4.845	43	37822	3.880	ug/l	# 89
19) Methyl tert-butyl Ether	5.610	73	57491	3.072	ug/l	99
20) Methylene Chloride	5.092	84	20215	3.419	ug/l	91
21) trans-1,2-Dichloroethene	5.592	96	16938	3.709	ug/l	90
22) Diisopropyl ether	6.486	45	65434	3.329	ug/l	97
23) Vinyl Acetate	6.428	43	285830	16.138	ug/l	94
24) 1,1-Dichloroethane	6.381	63	33594	3.274	ug/l	95
25) 2-Butanone	7.333	43	98348	16.971	ug/l	98
26) 2,2-Dichloropropane	7.322	77	24866	2.646	ug/l	99
27) cis-1,2-Dichloroethene	7.328	96	21096	3.672	ug/l	95
28) Bromochloromethane	7.657	49	16312	3.327	ug/l	# 78
29) Tetrahydrofuran	7.686	42	66313	18.443	ug/l	# 86
30) Chloroform	7.810	83	34125	3.218	ug/l	89
31) Cyclohexane	8.081	56	38383	4.530	ug/l	# 81
32) 1,1,1-Trichloroethane	8.010	97	27553	2.952	ug/l	98
36) 1,1-Dichloropropene	8.216	75	22954	3.060	ug/l	98
37) Ethyl Acetate	7.404	43	37204	3.223	ug/l	98
38) Carbon Tetrachloride	8.198	117	23116	2.956	ug/l	99
39) Methylcyclohexane	9.451	83	28051	3.298	ug/l	# 89
40) Benzene	8.457	78	77953	3.490	ug/l	96

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 14 14:06:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	18781	3.408	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	29010	3.048	ug/l	96
43) Isopropyl Acetate	8.557	43	60116	3.386	ug/l #	90
44) Trichloroethene	9.216	130	18298	3.589	ug/l	93
45) 1,2-Dichloropropane	9.486	63	19888	3.170	ug/l	97
46) Dibromomethane	9.575	93	14086	3.373	ug/l #	87
47) Bromodichloromethane	9.757	83	26259	3.032	ug/l	96
48) Methyl methacrylate	9.557	41	25686	3.099	ug/l	90
49) 1,4-Dioxane	9.575	88	9692	68.900	ug/l #	86
51) 4-Methyl-2-Pentanone	10.327	43	190768	16.253	ug/l	91
52) Toluene	10.498	92	48410	3.419	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	25374	2.765	ug/l	98
54) cis-1,3-Dichloropropene	10.180	75	29858	3.050	ug/l	92
55) 1,1,2-Trichloroethane	10.892	97	20844	3.469	ug/l	94
56) Ethyl methacrylate	10.757	69	33852	3.244	ug/l #	85
57) 1,3-Dichloropropane	11.039	76	36502	3.393	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.039	63	68401	15.648	ug/l	93
59) 2-Hexanone	11.080	43	137770	15.878	ug/l	90
60) Dibromochloromethane	11.233	129	18865	3.046	ug/l	100
61) 1,2-Dibromoethane	11.339	107	20606	3.402	ug/l	100
64) Tetrachloroethene	10.969	164	17154	4.581	ug/l	93
65) Chlorobenzene	11.769	112	49731	3.912	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	18259	3.789	ug/l	99
67) Ethyl Benzene	11.845	91	88510	3.748	ug/l	99
68) m/p-Xylenes	11.951	106	64225	7.579	ug/l	94
69) o-Xylene	12.274	106	33645	3.949	ug/l	99
70) Styrene	12.292	104	48455	3.568	ug/l	98
71) Bromoform	12.451	173	12288	3.478	ug/l #	99
73) Isopropylbenzene	12.574	105	79608	4.739	ug/l	100
74) N-amyl acetate	12.386	43	36455	4.538	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.821	83	30187	5.098	ug/l	97
76) 1,2,3-Trichloropropane	12.880	75	25421m	4.500	ug/l	
77) Bromobenzene	12.857	156	17011	4.969	ug/l	79
78) n-propylbenzene	12.915	91	85906	4.607	ug/l	93
79) 2-Chlorotoluene	13.004	91	54832	4.672	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	61743	4.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	6617	3.616	ug/l #	75
82) 4-Chlorotoluene	13.104	91	48572	4.436	ug/l	93
83) tert-Butylbenzene	13.321	119	56600	4.677	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	59347	4.561	ug/l	98
85) sec-Butylbenzene	13.498	105	72094	4.450	ug/l	100
86) p-Isopropyltoluene	13.610	119	55942	4.435	ug/l	97
87) 1,3-Dichlorobenzene	13.615	146	28468	4.875	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	27375	4.750	ug/l	91
89) n-Butylbenzene	13.939	91	41527	3.893	ug/l	97
90) Hexachloroethane	14.210	117	11613	4.330	ug/l	74
91) 1,2-Dichlorobenzene	13.986	146	28863	4.976	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	5461	4.248	ug/l	86
93) 1,2,4-Trichlorobenzene	15.262	180	11713	4.436	ug/l	96
94) Hexachlorobutadiene	15.362	225	6382	5.022	ug/l	97
95) Naphthalene	15.504	128	41638	4.032	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	12792	4.673	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

