

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061421\
 Data File : VN067319.D
 Acq On : 14 Jun 2021 11:03
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:15:53 PM

Quant Time: Jun 15 04:10:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 04:08:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	358725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	682768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	635419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	247561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	37928	5.458	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.920%#		
35) Dibromofluoromethane	8.021	113	24728	5.570	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	11.140%#		
50) Toluene-d8	10.443	98	91187	5.303	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.600%#		
62) 4-Bromofluorobenzene	12.733	95	36730	5.143	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	10.280%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	23038	4.975	ug/l	99
3) Chloromethane	2.301	50	26770	5.662	ug/l	98
4) Vinyl Chloride	2.440	62	25579	5.531	ug/l	93
5) Bromomethane	2.832	94	10772	4.698	ug/l	100
6) Chloroethane	3.006	64	17192	6.118	ug/l	100
7) Trichlorofluoromethane	3.368	101	35416	5.484	ug/l	96
8) Diethyl Ether	3.819	74	16253	6.346	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.205	101	21881	5.684	ug/l	96
10) Methyl Iodide	4.414	142	11763	2.731	ug/l #	71
11) Tert butyl alcohol	5.390	59	29405	25.302	ug/l #	85
12) 1,1-Dichloroethene	4.173	96	20476	5.471	ug/l	95
13) Acrolein	4.039	56	18787	26.053	ug/l	89
14) Allyl chloride	4.835	41	44855	5.523	ug/l	99
15) Acrylonitrile	5.559	53	60810	27.359	ug/l	100
16) Acetone	4.293	43	72291	31.608	ug/l	98
17) Carbon Disulfide	4.519	76	64523	5.276	ug/l	98
18) Methyl Acetate	4.862	43	33323	5.831	ug/l #	81
19) Methyl tert-butyl Ether	5.624	73	79036	5.269	ug/l	100
20) Methylene Chloride	5.090	84	29327	6.047	ug/l	94
21) trans-1,2-Dichloroethene	5.589	96	24092	5.858	ug/l	93
22) Diisopropyl ether	6.495	45	81768	5.321	ug/l	95
23) Vinyl Acetate	6.436	43	406892	29.350	ug/l	99
24) 1,1-Dichloroethane	6.385	63	49943	5.869	ug/l	98
25) 2-Butanone	7.345	43	100941	30.451	ug/l	96
26) 2,2-Dichloropropane	7.321	77	52116	6.145	ug/l	98
27) cis-1,2-Dichloroethene	7.329	96	28570	5.914	ug/l	97
28) Bromochloromethane	7.656	49	24257	6.170	ug/l	99
29) Tetrahydrofuran	7.694	42	55205	26.139	ug/l	97
30) Chloroform	7.817	83	51781	5.767	ug/l	100
31) Cyclohexane	8.094	56	51680	5.474	ug/l #	89
32) 1,1,1-Trichloroethane	8.016	97	47596	5.791	ug/l	97
36) 1,1-Dichloropropene	8.222	75	39577	6.031	ug/l	98
37) Ethyl Acetate	7.418	43	39552	5.933	ug/l	98
38) Carbon Tetrachloride	8.204	117	42845	6.080	ug/l	95
39) Methylcyclohexane	9.459	83	36828	5.194	ug/l	95
40) Benzene	8.461	78	109325	5.957	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	20999m	5.762	ug/l	
42) 1,2-Dichloroethane	8.531	62	47093	6.096	ug/l	99
43) Isopropyl Acetate	8.566	43	74054	5.910	ug/l	98
44) Trichloroethene	9.217	130	25563	5.959	ug/l	97
45) 1,2-Dichloropropane	9.491	63	28851	5.883	ug/l	99
46) Dibromomethane	9.582	93	19646	5.892	ug/l	98
47) Bromodichloromethane	9.762	83	43847	5.838	ug/l	98
48) Methyl methacrylate	9.563	41	34155	5.994	ug/l	94
49) 1,4-Dioxane	9.574	88	8482	108.902	ug/l	92
51) 4-Methyl-2-Pentanone	10.333	43	215690	30.059	ug/l	100
52) Toluene	10.507	92	69836	6.074	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	49236	5.963	ug/l	97
54) cis-1,3-Dichloropropene	10.191	75	50501	6.074	ug/l	99
55) 1,1,2-Trichloroethane	10.904	97	26090	5.812	ug/l	98
56) Ethyl methacrylate	10.765	69	47570	5.935	ug/l	97
57) 1,3-Dichloropropane	11.049	76	48556	5.950	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.043	63	63890	26.753	ug/l	98
59) 2-Hexanone	11.089	43	157713	29.961	ug/l	100
60) Dibromochloromethane	11.240	129	29193	6.008	ug/l	97
61) 1,2-Dibromoethane	11.350	107	28026	6.004	ug/l	99
64) Tetrachloroethene	10.979	164	24034	6.250	ug/l	95
65) Chlorobenzene	11.773	112	69656	5.846	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.843	131	25856	5.832	ug/l	96
67) Ethyl Benzene	11.846	91	136748	5.792	ug/l	96
68) m/p-Xylenes	11.953	106	95904	11.379	ug/l	100
69) o-Xylene	12.283	106	47564	5.795	ug/l	99
70) Styrene	12.296	104	75827	5.525	ug/l	98
71) Bromoform	12.463	173	18584	5.428	ug/l #	99
73) Isopropylbenzene	12.581	105	126532	6.243	ug/l	99
74) N-amyl acetate	12.390	43	60490	6.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.827	83	37970	6.286	ug/l	100
76) 1,2,3-Trichloropropane	12.884	75	36043m	6.054	ug/l	
77) Bromobenzene	12.865	156	25836	6.269	ug/l	100
78) n-propylbenzene	12.921	91	147337	6.090	ug/l	99
79) 2-Chlorotoluene	13.010	91	90510	6.048	ug/l	100
80) 1,3,5-Trimethylbenzene	13.061	105	106266	6.225	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	13160	5.092	ug/l	99
82) 4-Chlorotoluene	13.106	91	91743	6.069	ug/l	98
83) tert-Butylbenzene	13.326	119	81865	5.984	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	104718	6.204	ug/l	100
85) sec-Butylbenzene	13.503	105	116465	6.026	ug/l	100
86) p-Isopropyltoluene	13.618	119	96372	6.201	ug/l	99
87) 1,3-Dichlorobenzene	13.618	146	44441	5.915	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	44488	5.882	ug/l	91
89) n-Butylbenzene	13.943	91	89820	6.154	ug/l	98
90) Hexachloroethane	14.211	117	16643	5.365	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	42492	5.980	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	9217	6.038	ug/l	95
93) 1,2,4-Trichlorobenzene	15.265	180	21317	5.728	ug/l	99
94) Hexachlorobutadiene	15.373	225	12626	5.878	ug/l	97
95) Naphthalene	15.507	128	57574	4.973	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	20126	5.604	ug/l	97

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

