

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067957.D
 Acq On : 29 Jul 2021 10:06
 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
 8/5/2021 7:29:51 PM

Quant Time: Jul 29 14:35:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 14:33:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	337000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	633175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	589470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	217336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	28390	5.584	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	11.160%#		
35) Dibromofluoromethane	8.018	113	20491	5.363	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.720%#		
50) Toluene-d8	10.443	98	77464	4.883	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.760%#		
62) 4-Bromofluorobenzene	12.733	95	25777	4.637	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.280%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	19365	6.496	ug/l	98
3) Chloromethane	2.301	50	24613	5.391	ug/l	95
4) Vinyl Chloride	2.443	62	39653	5.719	ug/l	98
5) Bromomethane	2.837	94	37346	6.520	ug/l	96
6) Chloroethane	3.009	64	33157	6.426	ug/l	98
7) Trichlorofluoromethane	3.368	101	74263	5.795	ug/l	97
8) Diethyl Ether	3.824	74	13449	5.108	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.199	101	20320	6.335	ug/l #	78
10) Methyl Iodide	4.414	142	20538	5.367	ug/l #	91
11) Tert butyl alcohol	5.396	59	17672	24.375	ug/l #	71
12) 1,1-Dichloroethene	4.173	96	19103	6.232	ug/l	92
13) Acrolein	4.038	56	8699	20.730	ug/l	92
14) Allyl chloride	4.835	41	30789	5.558	ug/l	96
15) Acrylonitrile	5.556	53	53008	29.096	ug/l	99
16) Acetone	4.291	43	52035	32.081	ug/l	96
17) Carbon Disulfide	4.524	76	50141	5.905	ug/l	98
18) Methyl Acetate	4.862	43	28612	6.358	ug/l	96
19) Methyl tert-butyl Ether	5.618	73	68264	5.485	ug/l	99
20) Methylene Chloride	5.092	84	23978	5.582	ug/l	94
21) trans-1,2-Dichloroethene	5.599	96	21427	5.980	ug/l	92
22) Diisopropyl ether	6.500	45	67630	5.423	ug/l	97
23) Vinyl Acetate	6.439	43	277430	26.048	ug/l #	95
24) 1,1-Dichloroethane	6.385	63	41404	5.907	ug/l	99
25) 2-Butanone	7.343	43	73372	27.677	ug/l	91
26) 2,2-Dichloropropane	7.324	77	35007	5.717	ug/l	95
27) cis-1,2-Dichloroethene	7.329	96	25002	5.622	ug/l	89
28) Bromochloromethane	7.659	49	18477	5.394	ug/l #	82
29) Tetrahydrofuran	7.689	42	44762	25.731	ug/l	92
30) Chloroform	7.820	83	45067	5.753	ug/l	98
31) Cyclohexane	8.099	56	43932	6.140	ug/l #	83
32) 1,1,1-Trichloroethane	8.013	97	37762	5.561	ug/l	98
36) 1,1-Dichloropropene	8.222	75	31745	5.375	ug/l	97
37) Ethyl Acetate	7.418	43	29612	5.185	ug/l	99
38) Carbon Tetrachloride	8.204	117	31163	5.352	ug/l	97
39) Methylcyclohexane	9.461	83	33534	5.178	ug/l	93
40) Benzene	8.461	78	94729	5.367	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	14629	5.058	ug/l	93
42) 1,2-Dichloroethane	8.531	62	37077	5.669	ug/l	96
43) Isopropyl Acetate	8.566	43	49954	5.012	ug/l	94
44) Trichloroethene	9.220	130	24132	5.380	ug/l	87
45) 1,2-Dichloropropane	9.491	63	23821	5.347	ug/l	99
46) Dibromomethane	9.577	93	17651	5.579	ug/l	96
47) Bromodichloromethane	9.759	83	31831	5.139	ug/l	98
48) Methyl methacrylate	9.563	41	21592	4.892	ug/l	92
49) 1,4-Dioxane	9.577	88	8390	111.091	ug/l #	85
51) 4-Methyl-2-Pentanone	10.333	43	151651	24.789	ug/l	95
52) Toluene	10.507	92	57342	4.980	ug/l	93
53) t-1,3-Dichloropropene	10.722	75	30727	4.862	ug/l	97
54) cis-1,3-Dichloropropene	10.191	75	35335	5.148	ug/l	92
55) 1,1,2-Trichloroethane	10.902	97	24295	5.533	ug/l	99
56) Ethyl methacrylate	10.765	69	31776	4.714	ug/l	95
57) 1,3-Dichloropropane	11.046	76	38664	5.129	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.041	63	27115	19.931	ug/l	93
59) 2-Hexanone	11.089	43	106836	25.088	ug/l	98
60) Dibromochloromethane	11.242	129	21769	4.910	ug/l	99
61) 1,2-Dibromoethane	11.349	107	24216	5.392	ug/l	99
64) Tetrachloroethene	10.977	164	23232	5.521	ug/l	96
65) Chlorobenzene	11.773	112	63922	5.298	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.843	131	22154	5.223	ug/l	96
67) Ethyl Benzene	11.846	91	110393	5.015	ug/l	98
68) m/p-Xylenes	11.956	106	80694	9.705	ug/l	91
69) o-Xylene	12.283	106	40076	4.905	ug/l	86
70) Styrene	12.299	104	61049	4.680	ug/l	92
71) Bromoform	12.463	173	13099	4.650	ug/l #	98
73) Isopropylbenzene	12.581	105	101327	5.753	ug/l	99
74) N-amyl acetate	12.390	43	32691	5.122	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.830	83	32900	6.436	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	25634m	5.749	ug/l	
77) Bromobenzene	12.862	156	22938	5.944	ug/l	79
78) n-propylbenzene	12.924	91	110482	5.539	ug/l	98
79) 2-Chlorotoluene	13.012	91	70492	5.854	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	80458	5.616	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.626	75	7087	5.110	ug/l	96
82) 4-Chlorotoluene	13.109	91	69420	5.816	ug/l	94
83) tert-Butylbenzene	13.326	119	65944	5.434	ug/l	90
84) 1,2,4-Trimethylbenzene	13.369	105	76388	5.449	ug/l	96
85) sec-Butylbenzene	13.503	105	91721	5.436	ug/l	98
86) p-Isopropyltoluene	13.618	119	69772	5.131	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	40677	5.651	ug/l	93
88) 1,4-Dichlorobenzene	13.699	146	38623	5.258	ug/l	95
89) n-Butylbenzene	13.943	91	59266	5.091	ug/l	96
90) Hexachloroethane	14.214	117	12850	5.695	ug/l	92
91) 1,2-Dichlorobenzene	13.991	146	37574	5.439	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.600	75	4862	5.547	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	13619	4.684	ug/l	89
94) Hexachlorobutadiene	15.372	225	7598	5.335	ug/l	95
95) Naphthalene	15.507	128	29757	3.645	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	12408	4.430	ug/l	95

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

