

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067963.D
 Acq On : 29 Jul 2021 12:35
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 7:30:00 PM

Quant Time: Jul 29 14:39:41 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	371385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	686256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	599893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	211681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	61 - 141	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	3725	1.134	ug/l	98
3) Chloromethane	2.306	50	4928	0.979	ug/l	99
4) Vinyl Chloride	2.443	62	7509	0.983	ug/l	96
6) Chloroethane	3.030	64	5531	0.973	ug/l	99
7) Trichlorofluoromethane	3.373	101	12007	0.850	ug/l	93
8) Diethyl Ether	3.827	74	2364m	0.815	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.194	101	3413m	0.966	ug/l	
12) 1,1-Dichloroethene	4.175	96	3322	0.983	ug/l #	70
14) Allyl chloride	4.838	41	6221m	1.019	ug/l	
15) Acrylonitrile	5.570	53	8960	4.463	ug/l #	89
16) Acetone	4.296	43	10631	5.947	ug/l #	89
17) Carbon Disulfide	4.527	76	13639	1.457	ug/l #	94
18) Methyl Acetate	4.873	43	7118m	1.435	ug/l	
19) Methyl tert-butyl Ether	5.618	73	11300m	0.824	ug/l	
20) Methylene Chloride	5.103	84	7471m	1.578	ug/l	
21) trans-1,2-Dichloroethene	5.597	96	4272	1.082	ug/l #	74
22) Diisopropyl ether	6.503	45	10470	0.762	ug/l	96
23) Vinyl Acetate	6.442	43	45851m	3.906	ug/l	
24) 1,1-Dichloroethane	6.383	63	7086m	0.917	ug/l	
25) 2-Butanone	7.345	43	12987	4.445	ug/l	95
26) 2,2-Dichloropropane	7.324	77	5767	0.855	ug/l #	77
27) cis-1,2-Dichloroethene	7.329	96	4704	0.960	ug/l	68
28) Bromochloromethane	7.667	49	3564	0.944	ug/l #	90
29) Tetrahydrofuran	7.705	42	8298	4.328	ug/l #	80
30) Chloroform	7.825	83	8396m	0.973	ug/l	
32) 1,1,1-Trichloroethane	8.011	97	6580	0.879	ug/l #	50
36) 1,1-Dichloropropene	8.217	75	6204	0.969	ug/l #	84
37) Ethyl Acetate	7.423	43	6907m	1.116	ug/l	
38) Carbon Tetrachloride	8.206	117	5481	0.868	ug/l #	86
39) Methylcyclohexane	9.464	83	6346	0.904	ug/l	98
40) Benzene	8.461	78	16493	0.862	ug/l	98
41) Methacrylonitrile	7.648	41	2691	0.858	ug/l #	64
42) 1,2-Dichloroethane	8.534	62	6209	0.876	ug/l	93
43) Isopropyl Acetate	8.566	43	8078	0.748	ug/l #	84
44) Trichloroethene	9.223	130	4752	0.977	ug/l	86
45) 1,2-Dichloropropane	9.499	63	4061	0.841	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072921\
 Data File : VN067963.D
 Acq On : 29 Jul 2021 12:35
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 7:30:00 PM

Quant Time: Jul 29 14:39:41 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)
46) Dibromomethane	9.577	93	2795	0.815	ug/l #	86
47) Bromodichloromethane	9.765	83	5493	0.818	ug/l	86
48) Methyl methacrylate	9.563	41	4235	0.885	ug/l	93
49) 1,4-Dioxane	9.566	88	1218m	14.880	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	26102	3.937	ug/l	99
52) Toluene	10.505	92	10183	0.816	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	5368	0.784	ug/l	98
54) cis-1,3-Dichloropropene	10.196	75	5880	0.790	ug/l #	83
55) 1,1,2-Trichloroethane	10.902	97	4199	0.882	ug/l #	92
56) Ethyl methacrylate	10.765	69	5953	0.815	ug/l	93
57) 1,3-Dichloropropane	11.047	76	7146	0.875	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.043	63	3622	2.456	ug/l #	80
59) 2-Hexanone	11.089	43	22496	4.874	ug/l	99
60) Dibromochloromethane	11.237	129	3488	0.726	ug/l	96
61) 1,2-Dibromoethane	11.350	107	4335	0.891	ug/l	89
64) Tetrachloroethene	10.979	164	4363	1.019	ug/l	92
65) Chlorobenzene	11.773	112	12041	0.981	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.846	131	3397	0.787	ug/l #	64
67) Ethyl Benzene	11.846	91	20743	0.926	ug/l	97
68) m/p-Xylenes	11.961	106	14412	1.703	ug/l	87
69) o-Xylene	12.286	106	7199	0.866	ug/l	81
70) Styrene	12.294	104	10802	0.814	ug/l	94
71) Bromoform	12.457	173	2008	0.700	ug/l #	97
73) Isopropylbenzene	12.581	105	17441	1.017	ug/l	99
74) N-amyl acetate	12.390	43	8927	1.436	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.827	83	6095	1.224	ug/l	98
76) 1,2,3-Trichloropropane	12.884	75	5425m	1.249	ug/l	
77) Bromobenzene	12.865	156	4586	1.220	ug/l	78
78) n-propylbenzene	12.924	91	20398	1.050	ug/l	95
79) 2-Chlorotoluene	13.010	91	13400	1.142	ug/l	96
80) 1,3,5-Trimethylbenzene	13.063	105	13259	0.950	ug/l	93
82) 4-Chlorotoluene	13.109	91	13692	1.178	ug/l	90
83) tert-Butylbenzene	13.326	119	11756	0.995	ug/l	88
84) 1,2,4-Trimethylbenzene	13.369	105	14059	1.030	ug/l	99
85) sec-Butylbenzene	13.506	105	16852	1.025	ug/l	95
86) p-Isopropyltoluene	13.619	119	12991	0.981	ug/l	94
87) 1,3-Dichlorobenzene	13.621	146	8861	1.264	ug/l	94
88) 1,4-Dichlorobenzene	13.696	146	10790	1.508	ug/l	80
89) n-Butylbenzene	13.943	91	15588	1.375	ug/l	96
90) Hexachloroethane	14.217	117	1728m	0.786	ug/l	
91) 1,2-Dichlorobenzene	13.994	146	9003	1.338	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1385m	1.622	ug/l	
93) 1,2,4-Trichlorobenzene	15.265	180	7395	2.611	ug/l	97
94) Hexachlorobutadiene	15.375	225	2477	1.786	ug/l	93
95) Naphthalene	15.509	128	38187	4.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	9197	3.372	ug/l	96

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

MMDadoda
8/5/2021 7:30:00 PM

[illegible]