

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037311.D
 Acq On : 31 Jul 2021 9:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:59:07 AM

Quant Time: Aug 01 22:37:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1127741	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3580608	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3459956m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2540829	10.09	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1077538	6.639	ppbv 98
3) Chlorodifluoromethane	2.98	51	2155948	9.541	ppbv 100
4) Chloromethane	3.13	50	788236	10.003	ppbv 98
5) Vinyl Chloride	3.25	62	856819	10.063	ppbv 100
6) Bromomethane	3.47	94	496524	10.283	ppbv 96
7) Chloroethane	3.55	64	316250	10.539	ppbv 95
8) Dichlorotetrafluoroethane	3.18	85	1728923	8.959	ppbv 99
9) Propene	3.00	41	721035	9.484	ppbv 99
10) Heptane	8.12	43	1880897	10.394	ppbv 100
11) Trichlorofluoromethane	3.94	101	2128954	10.560	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1571853	10.481	ppbv 100
13) Ethanol	3.60	45	113910	6.818	ppbv 94
14) Bromoethene	3.73	108	641685	10.126	ppbv 94
15) Acetone	3.84	43	1138845	5.606	ppbv 99
16) 1,3-Butadiene	3.32	39	794687	10.430	ppbv 100
17) tert-Butyl alcohol	4.29	59	1223542	9.473	ppbv 99
18) 1,1-Dichloroethene	4.28	96	715912	10.862	ppbv 99
19) Isopropyl Alcohol	3.96	45	756445	9.625	ppbv 100
20) Methylene Chloride	4.34	84	737291	9.380	ppbv 92
21) Allyl Chloride	4.40	41	1016423	11.239	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	708928	11.269	ppbv 95
23) Vinyl Acetate	5.07	43	1933524	11.281	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1506839	11.323	ppbv 99
25) Ethyl Acetate	5.67	43	3069681	10.416	ppbv 99
26) Hexane	5.68	57	1571281	9.976	ppbv 98
27) Carbon Disulfide	4.55	76	1585260	12.218	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1702421	11.189	ppbv 98
29) Chloroform	5.75	83	2267032	10.044	ppbv 99
30) Cyclohexane	7.13	84	1279921	10.392	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1408917	10.555	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2286981	10.190	ppbv 99
34) 2-Butanone	5.24	43	1344574	8.752	ppbv 98
35) Carbon Tetrachloride	7.01	117	2426628	10.694	ppbv 98
36) Benzene	6.89	78	3039635	10.027	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1629233	10.317	ppbv 100
38) Trichloroethene	7.83	130	1317921	9.634	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1142027	10.017	ppbv 97
40) 1,4-Dioxane	7.83	88	325020	9.896	ppbv 90
41) Tetrahydrofuran	6.05	42	690198	11.180	ppbv 98
42) Bromodichloromethane	7.79	83	2371415	10.764	ppbv 97
43) Methyl Methacrylate	8.01	69	1098746	10.904	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037311.D
 Acq On : 31 Jul 2021 9:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:59:07 AM

Quant Time: Aug 01 22:37:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4979979	10.049	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1024203	12.129	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1332558	11.700	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1305812	10.210	ppbv	98
48) Dibromochloromethane	10.30	129	2233479	11.407	ppbv	99
49) Bromoform	13.04	173	1860558	12.232	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2000074	10.280	ppbv	99
51) 2-Hexanone	10.13	43	953045	10.610	ppbv #	98
52) Tetrachloroethene	11.22	164	1287444	9.634	ppbv	97
53) Toluene	9.81	91	3693968	10.365	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1930168	10.675	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1562133	10.314	ppbv	97
57) Chlorobenzene	12.15	112	2883384	9.962	ppbv	99
58) Ethyl Benzene	12.71	91	4866029	10.230	ppbv	99
59) m/p-Xylene	12.99	91	8255579m	20.159	ppbv	
60) o-Xylene	13.69	91	3939014	10.065	ppbv	100
61) Styrene	13.53	104	2242954	11.213	ppbv	99
62) Isopropylbenzene	14.67	105	5585808	10.105	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2736391	9.913	ppbv	100
64) n-propylbenzene	15.56	120	1493285	10.418	ppbv	97
65) tert-Butylbenzene	16.74	119	5120201	10.008	ppbv	99
66) Benzyl Chloride	16.99	91	159181	6.332	ppbv #	63
67) sec-Butylbenzene	17.29	105	6816389	10.076	ppbv	100
69) p-Isopropyltoluene	17.65	119	5926251	10.233	ppbv	100
70) n-Butylbenzene	18.55	91	5634512	10.310	ppbv	100
71) 2-Chlorotoluene	15.45	91	4012403	10.185	ppbv	100
72) 4-Ethyltoluene	15.84	105	4936478	10.652	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4433310	10.358	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4599434	9.747	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2902570	10.230	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2787979	9.517	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2827405	10.380	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1843950	9.025	ppbv	99
79) Naphthalene	22.20	128	3475318	9.404	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	978732	9.210	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2082115	9.336	ppbv	100

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

