

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036913.D
 Acq On : 7 May 2021 10:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:23 PM

Quant Time: May 08 04:25:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1403257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3632329	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3319408m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2734532	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1909266	8.639 ppbv	98
3) Chlorodifluoromethane	2.99	51	2642176	10.337 ppbv	99
4) Chloromethane	3.14	50	857672	10.209 ppbv	95
5) Vinyl Chloride	3.26	62	837481	9.883 ppbv	94
6) Bromomethane	3.48	94	427825	9.388 ppbv	97
7) Chloroethane	3.56	64	277147	9.952 ppbv	90
8) Dichlorotetrafluoroethane	3.19	85	1985946	9.852 ppbv	99
9) Propene	3.01	41	788307	10.121 ppbv	98
10) Heptane	8.13	43	2030944	10.368 ppbv	98
11) Trichlorofluoromethane	3.95	101	1919590	9.731 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1250971	9.475 ppbv	98
13) Ethanol	3.62	45	87216m	8.780 ppbv	
14) Bromoethene	3.74	108	562523	10.429 ppbv	96
15) Acetone	3.85	43	1305446	9.870 ppbv	99
16) 1,3-Butadiene	3.33	39	872855	10.321 ppbv	97
17) tert-Butyl alcohol	4.30	59	1098039	10.228 ppbv	98
18) 1,1-Dichloroethene	4.29	96	575157	10.024 ppbv	97
19) Isopropyl Alcohol	3.97	45	633981	9.674 ppbv	99
20) Methylene Chloride	4.35	84	512784	8.107 ppbv	94
21) Allyl Chloride	4.42	41	889267	9.048 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	567872	9.862 ppbv	97
23) Vinyl Acetate	5.08	43	2268516	12.609 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1272499	9.964 ppbv	99
25) Ethyl Acetate	5.68	43	3057325	9.463 ppbv	99
26) Hexane	5.69	57	1503420	9.946 ppbv	93
27) Carbon Disulfide	4.55	76	1439322	10.963 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1433985	10.703 ppbv	99
29) Chloroform	5.76	83	2360218	10.016 ppbv	98
30) Cyclohexane	7.13	84	1246189	10.397 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1413718	10.420 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2387782	9.964 ppbv	100
34) 2-Butanone	5.25	43	1436739	9.030 ppbv	97
35) Carbon Tetrachloride	7.02	117	2478804	10.057 ppbv	98
36) Benzene	6.90	78	3118694	10.190 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1758145	10.145 ppbv	99
38) Trichloroethene	7.84	130	1138737	10.451 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1219193	9.944 ppbv	97
40) 1,4-Dioxane	7.84	88	275946	9.320 ppbv	91
41) Tetrahydrofuran	6.06	42	669716	9.622 ppbv	100
42) Bromodichloromethane	7.80	83	2539823	10.548 ppbv	100
43) Methyl Methacrylate	8.02	69	1168177	11.698 ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036913.D
 Acq On : 7 May 2021 10:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/10/2021 3:34:23 PM

Quant Time: May 08 04:25:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5238994	9.989	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	861745	8.005	ppbv	94
46) cis-1,3-Dichloropropene	8.70	75	1160200	8.406	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1279018	10.076	ppbv	97
48) Dibromochloromethane	10.30	129	2119385	11.268	ppbv	98
49) Bromoform	13.04	173	1742525	11.604	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2194898	10.092	ppbv	99
51) 2-Hexanone	10.14	43	1128054	10.399	ppbv #	96
52) Tetrachloroethene	11.23	164	1052936	10.104	ppbv	98
53) Toluene	9.81	91	3457260	10.796	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1804054	10.066	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1460461	10.495	ppbv #	62
57) Chlorobenzene	12.15	112	2600362	10.058	ppbv	98
58) Ethyl Benzene	12.71	91	4634770	11.008	ppbv	99
59) m/p-Xylene	13.00	91	7892300m	20.974	ppbv	
60) o-Xylene	13.69	91	3732521	10.259	ppbv	100
61) Styrene	13.53	104	1986246	11.625	ppbv	100
62) Isopropylbenzene	14.67	105	5119896	10.343	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2807974	9.627	ppbv	99
64) n-propylbenzene	15.56	120	1339825	10.860	ppbv	98
65) tert-Butylbenzene	16.74	119	4451504	10.171	ppbv	99
66) Benzyl Chloride	16.99	91	353192m	8.253	ppbv	
67) sec-Butylbenzene	17.29	105	6290868	10.351	ppbv	100
69) p-Isopropyltoluene	17.65	119	5157560	10.585	ppbv	99
70) n-Butylbenzene	18.55	91	5347580	10.889	ppbv	100
71) 2-Chlorotoluene	15.46	91	3997178	10.903	ppbv	100
72) 4-Ethyltoluene	15.84	105	4227284	10.824	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3889030	10.268	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4092140	10.172	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2425199	10.198	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2304997	9.904	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2352993	10.130	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1813212	9.187	ppbv	99
79) Naphthalene	22.20	128	2734484	12.136	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	370024	14.892	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	1684717	11.560	ppbv	98

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

