

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037909.D
 Acq On : 27 Oct 2021 9:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: Oct 28 08:47:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1546783	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	4596527	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	4209434m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2872644	9.76	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1733625m	7.017	ppbv
3) Chlorodifluoromethane	3.01	51	2667366	8.975	ppbv 100
4) Chloromethane	3.16	50	1017232	9.345	ppbv 94
5) Vinyl Chloride	3.28	62	1019683	10.219	ppbv 97
6) Bromomethane	3.50	94	495622	9.182	ppbv 97
7) Chloroethane	3.58	64	351160	9.571	ppbv 93
8) Dichlorotetrafluoroethane	3.21	85	2246445	9.199	ppbv 98
9) Propene	3.03	41	977882	8.942	ppbv 99
10) Heptane	8.15	43	2489267	10.023	ppbv 100
11) Trichlorofluoromethane	3.97	101	2068619	9.385	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1622836	9.717	ppbv 99
13) Ethanol	3.63	45	85170m	9.524	ppbv
14) Bromoethene	3.76	108	708040	9.642	ppbv 93
15) Acetone	3.87	43	1484568	10.692	ppbv 99
16) 1,3-Butadiene	3.35	39	976973	9.670	ppbv 98
17) tert-Butyl alcohol	4.31	59	1458449	10.198	ppbv 98
18) 1,1-Dichloroethene	4.31	96	727158	9.580	ppbv 99
19) Isopropyl Alcohol	3.99	45	805148	9.320	ppbv # 95
20) Methylene Chloride	4.37	84	617314	8.799	ppbv 97
21) Allyl Chloride	4.44	41	1157104	9.406	ppbv 99
22) trans-1,2-Dichloroethene	4.91	96	739778	9.695	ppbv 98
23) Vinyl Acetate	5.10	43	1910810	9.183	ppbv 99
24) 1,1-Dichloroethane	5.04	63	1493435	9.859	ppbv 99
25) Ethyl Acetate	5.70	43	3789857	9.727	ppbv 99
26) Hexane	5.71	57	1779861	9.277	ppbv 98
27) Carbon Disulfide	4.57	76	1809544	10.642	ppbv 98
28) Methyl tert-Butyl Ether	5.06	73	1456176	9.116	ppbv 100
29) Chloroform	5.78	83	2514838	9.170	ppbv 99
30) Cyclohexane	7.16	84	1524910	9.373	ppbv 98
31) cis-1,2-Dichloroethene	5.57	61	1639965	9.415	ppbv 98
32) 1,1,1-Trichloroethane	6.54	97	2425120	9.327	ppbv 99
34) 2-Butanone	5.27	43	1671860	9.010	ppbv 99
35) Carbon Tetrachloride	7.04	117	2538292	9.723	ppbv 99
36) Benzene	6.92	78	3761667	9.581	ppbv 98
37) 1,2-Dichloroethane	6.34	62	1754504	9.491	ppbv 99
38) Trichloroethene	7.86	130	1513578	9.758	ppbv 97
39) 1,2-Dichloropropane	7.64	63	1425624	9.654	ppbv 97
40) 1,4-Dioxane	7.86	88	282195m	7.637	ppbv
41) Tetrahydrofuran	6.08	42	853198	9.390	ppbv 99
42) Bromodichloromethane	7.82	83	2701884	9.950	ppbv 99
43) Methyl Methacrylate	8.04	69	1365142	10.646	ppbv 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037909.D
 Acq On : 27 Oct 2021 9:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 08:47:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	6232342	9.448	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	883065	10.008	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1272620	10.406	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1516613	9.447	ppbv	97
48) Dibromochloromethane	10.33	129	2373949	10.373	ppbv	99
49) Bromoform	13.07	173	1940013	11.079	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	2445243	10.122	ppbv	99
51) 2-Hexanone	10.16	43	1125686	10.438	ppbv #	99
52) Tetrachloroethene	11.26	164	1360690	8.908	ppbv	98
53) Toluene	9.83	91	4326836	9.945	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2111352	9.736	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1658410	9.517	ppbv	95
57) Chlorobenzene	12.18	112	3240059	9.383	ppbv	96
58) Ethyl Benzene	12.74	91	5546391	9.812	ppbv	99
59) m/p-Xylene	13.02	91	9372275m	19.316	ppbv	
60) o-Xylene	13.72	91	4353924	9.364	ppbv	98
61) Styrene	13.55	104	2421544	10.766	ppbv	100
62) Isopropylbenzene	14.70	105	6110238	9.421	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3098274	8.635	ppbv	96
64) n-propylbenzene	15.59	120	1647440	10.186	ppbv	100
65) tert-Butylbenzene	16.77	119	5430421	9.515	ppbv	99
66) Benzyl Chloride	17.01	91	279779	9.933	ppbv #	99
67) sec-Butylbenzene	17.32	105	7573307	9.702	ppbv	100
69) p-Isopropyltoluene	17.68	119	6332579	10.035	ppbv	100
70) n-Butylbenzene	18.57	91	6318054	10.539	ppbv	99
71) 2-Chlorotoluene	15.48	91	4431323	9.675	ppbv	98
72) 4-Ethyltoluene	15.87	105	5578089	10.565	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4926610	10.273	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	5034653	9.997	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	3105796	9.954	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2832753	9.517	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	2955668	9.861	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2237678	9.143	ppbv	100
79) Naphthalene	22.22	128	3770777	12.226	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	962345	11.620	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2257117	11.442	ppbv	100

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

