

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037670.D
 Acq On : 23 Sep 2021 19:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:33 AM

Quant Time: Sep 24 07:06:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1695517	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5003381	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4319419m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3297408	10.56	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	2362466	7.700	ppbv	98
3) Chlorodifluoromethane	3.00	51	2826295	8.837	ppbv	99
4) Chloromethane	3.15	50	1068911	9.046	ppbv	95
5) Vinyl Chloride	3.27	62	1096427	9.879	ppbv	99
6) Bromomethane	3.48	94	538723	8.351	ppbv	94
7) Chloroethane	3.56	64	374212	9.022	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2442774	9.229	ppbv	99
9) Propene	3.02	41	1077877	9.555	ppbv	96
10) Heptane	8.13	43	2604877	9.896	ppbv	99
11) Trichlorofluoromethane	3.96	101	2184007	8.867	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1700650	9.354	ppbv	98
13) Ethanol	3.62	45	92756m	8.406	ppbv	
14) Bromoethene	3.75	108	739077	8.930	ppbv	99
15) Acetone	3.86	43	1235504	7.013	ppbv	97
16) 1,3-Butadiene	3.34	39	1032540	9.380	ppbv	100
17) tert-Butyl alcohol	4.29	59	1489140	9.969	ppbv	99
18) 1,1-Dichloroethene	4.29	96	760171	8.975	ppbv	95
19) Isopropyl Alcohol	3.97	45	842381	8.788	ppbv #	97
20) Methylene Chloride	4.35	84	662811	7.881	ppbv	98
21) Allyl Chloride	4.42	41	1265869	9.619	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	785583	9.218	ppbv	91
23) Vinyl Acetate	5.08	43	2047568	8.400	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1558557	8.925	ppbv	99
25) Ethyl Acetate	5.68	43	4047402	9.486	ppbv	99
26) Hexane	5.69	57	1932360	9.534	ppbv	100
27) Carbon Disulfide	4.56	76	1921358	10.363	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1595230	8.936	ppbv	99
29) Chloroform	5.76	83	2661801	8.994	ppbv	99
30) Cyclohexane	7.14	84	1608152	9.278	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1774022	9.642	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2518568	9.141	ppbv	99
34) 2-Butanone	5.25	43	1751633	8.615	ppbv	100
35) Carbon Tetrachloride	7.02	117	2633520	9.305	ppbv	97
36) Benzene	6.90	78	3927027	9.412	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1870725	9.117	ppbv	99
38) Trichloroethene	7.84	130	1549094	8.888	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1495400	9.358	ppbv	99
40) 1,4-Dioxane	7.84	88	362235	9.319	ppbv	78
41) Tetrahydrofuran	6.06	42	976128	10.212	ppbv	98
42) Bromodichloromethane	7.80	83	2817887	9.581	ppbv	95
43) Methyl Methacrylate	8.02	69	1417898	10.215	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037670.D
 Acq On : 23 Sep 2021 19:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:33 AM

Quant Time: Sep 24 07:06:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6553981	9.344	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1026634	9.417	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1397531	9.490	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1561114	8.831	ppbv	97
48) Dibromochloromethane	10.31	129	2474926	10.036	ppbv	99
49) Bromoform	13.04	173	2019630	10.233	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2544349	9.859	ppbv	100
51) 2-Hexanone	10.14	43	1169306	10.269	ppbv #	97
52) Tetrachloroethene	11.23	164	1431836	8.939	ppbv	99
53) Toluene	9.81	91	4500559	9.705	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2205964	9.114	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1699962	9.488	ppbv #	50
57) Chlorobenzene	12.15	112	3229694	8.994	ppbv	100
58) Ethyl Benzene	12.72	91	5708022	9.955	ppbv	100
59) m/p-Xylene	13.00	91	9492479m	18.997	ppbv	
60) o-Xylene	13.70	91	4517829	9.500	ppbv	99
61) Styrene	13.53	104	2525252	10.768	ppbv	99
62) Isopropylbenzene	14.67	105	6288180	9.465	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3285267	8.827	ppbv	99
64) n-propylbenzene	15.56	120	1706419	9.953	ppbv	93
65) tert-Butylbenzene	16.74	119	5510473	9.199	ppbv	100
66) Benzyl Chloride	16.99	91	294411m	8.994	ppbv	
67) sec-Butylbenzene	17.29	105	7652384	9.416	ppbv	99
69) p-Isopropyltoluene	17.65	119	6383642	9.614	ppbv	100
70) n-Butylbenzene	18.55	91	6156542	9.800	ppbv	100
71) 2-Chlorotoluene	15.45	91	4603589	9.669	ppbv	98
72) 4-Ethyltoluene	15.84	105	5392110	9.877	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4901813	9.633	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4975171	9.282	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	3063990	9.201	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2891156	8.803	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2916353	9.233	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2149995	8.088	ppbv	99
79) Naphthalene	22.19	128	3616149	10.988	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	945484	12.569	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2141313	10.134	ppbv	98

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

