

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038260.D
 Acq On : 24 Jan 2022 14:31
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL012422

Manual Integrations
 APPROVED

Quant Time: Jan 24 21:59:36 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 01/25/2022
 Supervised By : Mahesh Dadoda 01/26/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	839560	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2354923	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2169186m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1647637	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1731728	9.689 ppbv	99
3) Chlorodifluoromethane	3.00	51	1487207	8.898 ppbv	100
4) Chloromethane	3.15	50	514720	8.952 ppbv	98
5) Vinyl Chloride	3.27	62	525511	9.157 ppbv	100
6) Bromomethane	3.49	94	292724	9.435 ppbv	98
7) Chloroethane	3.57	64	185567	9.573 ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	1241732	8.979 ppbv	98
9) Propene	3.02	41	514656	9.459 ppbv	99
10) Heptane	8.13	43	1300327	9.289 ppbv	99
11) Trichlorofluoromethane	3.96	101	1270459	9.125 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	941302	8.944 ppbv	97
13) Ethanol	3.61	45	57843m	9.903 ppbv	
14) Bromoethene	3.75	108	383255	9.319 ppbv	98
15) Acetone	3.86	43	627992	8.485 ppbv	100
16) 1,3-Butadiene	3.34	39	492780	9.279 ppbv	98
17) tert-Butyl alcohol	4.30	59	768645	9.463 ppbv	98
18) 1,1-Dichloroethene	4.30	96	423329	9.250 ppbv	99
19) Isopropyl Alcohol	3.97	45	420476	9.082 ppbv	# 95
20) Methylene Chloride	4.36	84	336516	7.818 ppbv	98
21) Allyl Chloride	4.42	41	644535	9.843 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	453505	9.590 ppbv	96
23) Vinyl Acetate	5.08	43	1082868	10.063 ppbv	97
24) 1,1-Dichloroethane	5.02	63	874359	9.121 ppbv	100
25) Ethyl Acetate	5.69	43	1994087	9.623 ppbv	99
26) Hexane	5.70	57	916054	9.505 ppbv	98
27) Carbon Disulfide	4.56	76	1090041	9.667 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	961564	9.617 ppbv	100
29) Chloroform	5.76	83	1445195	9.186 ppbv	99
30) Cyclohexane	7.14	84	825409	9.836 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	893996	10.633 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1467107	9.337 ppbv	99
34) 2-Butanone	5.25	43	688127	8.935 ppbv	99
35) Carbon Tetrachloride	7.02	117	1529372	9.252 ppbv	97
36) Benzene	6.90	78	1988728	9.547 ppbv	100
37) 1,2-Dichloroethane	6.32	62	1108253	9.289 ppbv	98
38) Trichloroethene	7.84	130	704946	9.085 ppbv	98
39) 1,2-Dichloropropane	7.62	63	777933	9.212 ppbv	97
40) 1,4-Dioxane	7.84	88	193003	9.495 ppbv	74
41) Tetrahydrofuran	6.06	42	494755	9.557 ppbv	96
42) Bromodichloromethane	7.80	83	1636352	9.244 ppbv	99
43) Methyl Methacrylate	8.02	69	748995	10.166 ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
 Data File : VL038260.D
 Acq On : 24 Jan 2022 14:31
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICSVVL012422

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/25/2022
 Supervised By : Mahesh Dadoda 01/26/2022

Quant Time: Jan 24 21:59:36 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3285871	8.951	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	676997	11.309	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	837147	10.481	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	788756	9.505	ppbv	99
48) Dibromochloromethane	10.31	129	1366751	9.783	ppbv	100
49) Bromoform	13.05	173	1062811	10.553	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1306988	9.513	ppbv	99
51) 2-Hexanone	10.14	43	585797	9.682	ppbv #	94
52) Tetrachloroethene	11.23	164	649674	9.049	ppbv	99
53) Toluene	9.81	91	2246157	9.742	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1157647	9.813	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	876610	9.233	ppbv	98
57) Chlorobenzene	12.15	112	1595569	9.192	ppbv	99
58) Ethyl Benzene	12.72	91	2960016	9.285	ppbv	98
59) m/p-Xylene	13.01	91	4943636m	18.176	ppbv	
60) o-Xylene	13.70	91	2314861	9.151	ppbv	99
61) Styrene	13.53	104	1241428	10.515	ppbv	99
62) Isopropylbenzene	14.67	105	3102943	9.201	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1649246	8.811	ppbv	100
64) n-propylbenzene	15.57	120	788919	9.725	ppbv	99
65) tert-Butylbenzene	16.75	119	2624426	9.449	ppbv	99
66) Benzyl Chloride	17.00	91	154183	12.220	ppbv #	97
67) sec-Butylbenzene	17.30	105	3658922	9.469	ppbv	99
69) p-Isopropyltoluene	17.66	119	2934908	9.926	ppbv	99
70) n-Butylbenzene	18.55	91	2951845	10.192	ppbv	100
71) 2-Chlorotoluene	15.46	91	2412405	9.658	ppbv	99
72) 4-Ethyltoluene	15.85	105	2655953	10.040	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2336196	9.820	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	2405910	9.599	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1346479	10.011	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1294175	9.939	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	1228208	9.832	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	646255	7.441	ppbv	99
79) Naphthalene	22.20	128	1212105	10.344	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	260622	20.451	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	622720	9.035	ppbv	96

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

