

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038405.D
 Acq On : 23 Feb 2022 11:16
 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 03/03/2022
 Supervised By : Mahesh Dadoda 03/03/2022

Quant Time: Feb 24 09:25:49 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A

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

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	979857	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2433671	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	2143863m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1793179	10.11	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1453709	9.37	ppbv	98
3) Chlorodifluoromethane	3.00	51	1611510	9.31	ppbv	99
4) Chloromethane	3.15	50	563152	9.37	ppbv	99
5) Vinyl Chloride	3.27	62	580264	9.23	ppbv	99
6) Bromomethane	3.48	94	317269	9.57	ppbv	99
7) Chloroethane	3.57	64	195523	9.69	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1387067	9.61	ppbv	99
9) Propene	3.02	41	539503	9.44	ppbv	98
10) Heptane	8.12	43	1354146	9.74	ppbv	100
11) Trichlorofluoromethane	3.96	101	1376035	9.26	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	955827	8.77	ppbv	97
13) Ethanol	3.62	45	48413m	8.49	ppbv	
14) Bromoethene	3.75	108	432789	9.97	ppbv	97
15) Acetone	3.86	43	685655	8.23	ppbv	100
16) 1,3-Butadiene	3.34	39	540325	9.71	ppbv	96
17) tert-Butyl alcohol	4.29	59	851152	10.24	ppbv	99
18) 1,1-Dichloroethene	4.29	96	424949	8.89	ppbv	96
19) Isopropyl Alcohol	3.97	45	446850	9.26	ppbv #	98
20) Methylene Chloride	4.35	84	343578	8.32	ppbv	98
21) Allyl Chloride	4.42	41	658792	9.36	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	448494	9.29	ppbv	94
23) Vinyl Acetate	5.08	43	1047659	9.49	ppbv	99
24) 1,1-Dichloroethane	5.02	63	889325	8.96	ppbv	100
25) Ethyl Acetate	5.68	43	2101318	9.39	ppbv	100
26) Hexane	5.69	57	990938	9.77	ppbv	95
27) Carbon Disulfide	4.56	76	1084336	9.62	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	966945	9.36	ppbv	98
29) Chloroform	5.76	83	1591451	9.62	ppbv	97
30) Cyclohexane	7.13	84	805985	9.72	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	990351	10.08	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1615163	9.71	ppbv	99
34) 2-Butanone	5.25	43	913697	11.94	ppbv	100
35) Carbon Tetrachloride	7.02	117	1657901	9.69	ppbv	99
36) Benzene	6.89	78	2061058	9.62	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1179016	9.52	ppbv	100
38) Trichloroethene	7.84	130	729183	9.34	ppbv	97
39) 1,2-Dichloropropane	7.62	63	810080	9.49	ppbv	98
40) 1,4-Dioxane	7.84	88	195237	9.65	ppbv	93
41) Tetrahydrofuran	6.06	42	504767	9.76	ppbv	97
42) Bromodichloromethane	7.80	83	1716699	9.60	ppbv	97
43) Methyl Methacrylate	8.01	69	766084	10.29	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3458190	9.39	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	624935	10.50	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	796368	10.21	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	805782	9.49	ppbv	95
48) Dibromochloromethane	10.30	129	1328439	9.57	ppbv	99
49) Bromoform	13.04	173	894534	8.73	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1369586	10.12	ppbv	98
51) 2-Hexanone	10.14	43	602029	9.94	ppbv #	97
52) Tetrachloroethene	11.23	164	633626	8.91	ppbv	96
53) Toluene	9.81	91	2251940	9.68	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1143924	9.57	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	850271	9.52	ppbv	95
57) Chlorobenzene	12.15	112	1506935	9.11	ppbv	99
58) Ethyl Benzene	12.71	91	2862202	9.76	ppbv	98
59) m/p-Xylene	13.00	91	4689532m	18.63	ppbv	
60) o-Xylene	13.69	91	2165258	9.10	ppbv	99
61) Styrene	13.53	104	1101381	10.03	ppbv	99
62) Isopropylbenzene	14.67	105	2866194	8.97	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1461861	7.56	ppbv	100
64) n-propylbenzene	15.56	120	708163	8.95	ppbv	96
65) tert-Butylbenzene	16.74	119	2343248	8.47	ppbv	100
66) Benzyl Chloride	16.99	91	120823m	8.08	ppbv	
67) sec-Butylbenzene	17.29	105	3263863	8.33	ppbv	99
69) p-Isopropyltoluene	17.65	119	2596806	8.43	ppbv	99
70) n-Butylbenzene	18.55	91	1943476	6.10	ppbv	98
71) 2-Chlorotoluene	15.45	91	2104258	8.57	ppbv	100
72) 4-Ethyltoluene	15.84	105	2350881	8.96	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	2064496	8.67	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	2130234	8.47	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	1130635	8.03	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1088234	7.84	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1071050	7.90	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	855387	8.27	ppbv	99
79) Naphthalene	22.19	128	1619020	11.88	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	256417	9.63	ppbv	93
81) 1,2,4-Trichlorobenzene	21.92	180	863784	10.49	ppbv	99

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

