

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039614.D
 Acq On : 7 Sep 2022 10:44
 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 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 06:11:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A

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

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1033348	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2691986	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2684501m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1978291	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.75	85	873884	6.355	ppbv	98
3) Chlorodifluoromethane	2.69	51	1215518	9.873	ppbv	96
4) Chloromethane	2.84	50	767153	10.345	ppbv	96
5) Vinyl Chloride	2.94	62	657421	10.984	ppbv	98
6) Bromomethane	3.14	94	263412	10.378	ppbv	96
7) Chloroethane	3.22	64	228640	10.196	ppbv	100
8) Dichlorotetrafluoroethane	2.88	85	1321540	8.984	ppbv	95
9) Propene	2.71	41	588636	10.449	ppbv	100
10) Heptane	7.59	43	1442785	11.059	ppbv	98
11) Trichlorofluoromethane	3.58	101	1509685	10.003	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.08	101	1142907	10.239	ppbv	99
13) Ethanol	3.26	45	48201m	11.906	ppbv	
14) Bromoethene	3.38	108	490563	10.756	ppbv	100
15) Acetone	3.48	43	1183833	10.227	ppbv	99
16) 1,3-Butadiene	3.01	39	643580	10.655	ppbv	97
17) tert-Butyl alcohol	3.89	59	1137909	11.519	ppbv	100
18) 1,1-Dichloroethene	3.90	96	509934	10.143	ppbv	98
19) Isopropyl Alcohol	3.59	45	684147	12.150	ppbv	98
20) Methylene Chloride	3.95	84	441892	9.397	ppbv	95
21) Allyl Chloride	4.01	41	808808	10.741	ppbv	99
22) trans-1,2-Dichloroethene	4.46	96	531528	10.630	ppbv	93
23) Vinyl Acetate	4.64	43	639167	11.613	ppbv	98
24) 1,1-Dichloroethane	4.58	63	1102536	10.822	ppbv	99
25) Ethyl Acetate	5.21	43	2575091	10.397	ppbv	99
26) Hexane	5.22	57	1058613	10.472	ppbv	97
27) Carbon Disulfide	4.14	76	1291928	11.963	ppbv	98
28) Methyl tert-Butyl Ether	4.60	73	942822	10.812	ppbv	98
29) Chloroform	5.29	83	1612053	10.196	ppbv	99
30) Cyclohexane	6.61	84	904259	10.803	ppbv	96
31) cis-1,2-Dichloroethene	5.09	61	1042287	10.645	ppbv	98
32) 1,1,1-Trichloroethane	6.01	97	1563404	11.241	ppbv	99
34) 2-Butanone	4.80	43	1313118	9.812	ppbv	96
35) Carbon Tetrachloride	6.50	117	1632831	11.221	ppbv	100
36) Benzene	6.38	78	2265021	11.038	ppbv	96
37) 1,2-Dichloroethane	5.81	62	1185291	10.486	ppbv	100
38) Trichloroethene	7.30	130	1237152	11.252	ppbv	98
39) 1,2-Dichloropropane	7.08	63	853001	11.056	ppbv	96
40) 1,4-Dioxane	7.30	88	293632	9.721	ppbv #	1
41) Tetrahydrofuran	5.57	42	944741	11.817	ppbv	95
42) Bromodichloromethane	7.25	83	1736066	11.224	ppbv	100
43) Methyl Methacrylate	7.48	69	886497	11.980	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039614.D
 Acq On : 7 Sep 2022 10:44
 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 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 06:11:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A

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

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.33	57	3759486	10.868	ppbv	99
45) t-1,3-Dichloropropene	8.72	75	857172	13.301	ppbv	100
46) cis-1,3-Dichloropropene	8.14	75	1161678	13.015	ppbv	97
47) 1,1,2-Trichloroethane	8.90	97	903627	10.256	ppbv	96
48) Dibromochloromethane	9.71	129	1526564	11.754	ppbv	100
49) Bromoform	12.41	173	1268987	11.796	ppbv	100
50) 4-Methyl-2-Pentanone	8.19	43	2322752	11.140	ppbv	99
51) 2-Hexanone	9.56	43	1800556	11.733	ppbv #	100
52) Tetrachloroethene	10.62	164	850068	10.950	ppbv	97
53) Toluene	9.23	91	2625079	11.430	ppbv	100
54) 1,2-Dibromoethane	10.01	107	1110844	11.272	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.51	131	1109080	10.168	ppbv	98
57) Chlorobenzene	11.53	112	1997720	9.975	ppbv	99
58) Ethyl Benzene	12.09	91	3447940	11.179	ppbv	100
59) m/p-Xylene	12.37	91	5792719m	20.935	ppbv	
60) o-Xylene	13.06	91	2760542	10.393	ppbv	99
61) Styrene	12.90	104	1709921	12.087	ppbv	98
62) Isopropylbenzene	14.03	105	4033154	10.042	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.05	83	1112006	8.841	ppbv	99
64) n-propylbenzene	14.92	120	1043538	9.997	ppbv	95
65) tert-Butylbenzene	16.09	119	3514902	9.845	ppbv	100
66) Benzyl Chloride	16.33	91	324829	11.200	ppbv	98
67) sec-Butylbenzene	16.64	105	4937225	9.763	ppbv	99
69) p-Isopropyltoluene	17.00	119	4121270	9.818	ppbv	100
70) n-Butylbenzene	17.89	91	4108353	9.837	ppbv	99
71) 2-Chlorotoluene	14.80	91	2958524	10.170	ppbv	99
72) 4-Ethyltoluene	15.19	105	3316499	10.679	ppbv	98
73) 1,3,5-Trimethylbenzene	15.35	105	2910231	10.254	ppbv	100
74) 1,2,4-Trimethylbenzene	16.11	105	3096155	9.791	ppbv	97
75) 1,3-Dichlorobenzene	16.33	146	1857863	9.663	ppbv	100
76) 1,4-Dichlorobenzene	16.48	146	1855855	9.688	ppbv	97
77) 1,2-Dichlorobenzene	17.15	146	1777007	9.438	ppbv	99
78) Hexachloro-1,3-Butadiene	22.63	225	1458138	9.724	ppbv	99
79) Naphthalene	21.38	128	3098127	13.756	ppbv	99
80) Naphthalene, 2-methyl-	24.37	142	1131620	12.380	ppbv	99
81) 1,2,4-Trichlorobenzene	21.14	180	1731592	11.514	ppbv	98

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

