

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038143.D
 Acq On : 7 Dec 2021 10:07
 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 :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 07 14:27:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	901498	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2640434	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2456286	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1936660	10.93	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1185353	7.960	ppbv	99
3) Chlorodifluoromethane	2.99	51	2066057	10.913	ppbv	98
4) Chloromethane	3.14	50	705952	10.954	ppbv	98
5) Vinyl Chloride	3.26	62	711623	11.256	ppbv	99
6) Bromomethane	3.47	94	379666	11.210	ppbv	99
7) Chloroethane	3.56	64	239172	10.659	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	1606397	10.844	ppbv	95
9) Propene	3.01	41	697292	10.001	ppbv	97
10) Heptane	8.11	43	1763541	10.234	ppbv	100
11) Trichlorofluoromethane	3.95	101	1686066	11.905	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1229911	12.277	ppbv	97
13) Ethanol	3.61	45	72151m	10.708	ppbv	
14) Bromoethene	3.74	108	509249	11.352	ppbv	96
15) Acetone	3.85	43	853394	10.918	ppbv	97
16) 1,3-Butadiene	3.33	39	681803	11.181	ppbv	98
17) tert-Butyl alcohol	4.29	59	1030169	10.865	ppbv	99
18) 1,1-Dichloroethene	4.29	96	545479	11.870	ppbv	100
19) Isopropyl Alcohol	3.96	45	566688	10.034	ppbv #	96
20) Methylene Chloride	4.34	84	474132	10.830	ppbv	98
21) Allyl Chloride	4.41	41	805813	11.138	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	581004	12.482	ppbv	96
23) Vinyl Acetate	5.07	43	1305825	11.541	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1131235	12.006	ppbv	98
25) Ethyl Acetate	5.67	43	2644692	10.181	ppbv	99
26) Hexane	5.68	57	1239114	9.896	ppbv	100
27) Carbon Disulfide	4.55	76	1335050	11.903	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1265740	11.901	ppbv	98
29) Chloroform	5.74	83	1971862	10.686	ppbv	96
30) Cyclohexane	7.12	84	1138872	10.019	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1103899	9.268	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2033141	10.856	ppbv	98
34) 2-Butanone	5.24	43	903967	8.490	ppbv	98
35) Carbon Tetrachloride	7.01	117	2090011	11.266	ppbv	98
36) Benzene	6.88	78	2777981	10.547	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1560016	12.264	ppbv	97
38) Trichloroethene	7.82	130	997727	10.042	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1086112	10.750	ppbv	96
40) 1,4-Dioxane	7.83	88	267969	10.180	ppbv #	1
41) Tetrahydrofuran	6.04	42	666531	10.085	ppbv	99
42) Bromodichloromethane	7.78	83	2247723	11.623	ppbv	99
43) Methyl Methacrylate	8.00	69	1024325	11.367	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL120721\
 Data File : VL038143.D
 Acq On : 7 Dec 2021 10:07
 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 :Amit Patel 12/07/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 07 14:27:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4495914	10.202	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	935830	12.947	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1164544	11.912	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	1092723	10.327	ppbv	95
48) Dibromochloromethane	10.29	129	1804533	11.198	ppbv	99
49) Bromoform	13.02	173	1276583	11.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1819271	11.252	ppbv	99
51) 2-Hexanone	10.12	43	836451	10.996	ppbv #	98
52) Tetrachloroethene	11.21	164	892480	9.158	ppbv	94
53) Toluene	9.79	91	3080855	10.166	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1614534	10.802	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1154091	10.350	ppbv	97
57) Chlorobenzene	12.13	112	2148005	9.757	ppbv	96
58) Ethyl Benzene	12.69	91	4022273	9.908	ppbv	98
59) m/p-Xylene	12.98	91	6854272m	20.056	ppbv	
60) o-Xylene	13.67	91	3057214	9.643	ppbv	97
61) Styrene	13.51	104	1671569	9.834	ppbv	96
62) Isopropylbenzene	14.65	105	4177959	9.284	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2190472	9.302	ppbv	99
64) n-propylbenzene	15.54	120	1090748	9.514	ppbv	92
65) tert-Butylbenzene	16.73	119	3543314	8.937	ppbv	96
66) Benzyl Chloride	16.97	91	175751	8.747	ppbv	94
67) sec-Butylbenzene	17.27	105	4996117	9.044	ppbv	100
69) p-Isopropyltoluene	17.64	119	4032609	9.332	ppbv	98
70) n-Butylbenzene	18.53	91	4027018	9.746	ppbv	99
71) 2-Chlorotoluene	15.44	91	3142017	9.550	ppbv	98
72) 4-Ethyltoluene	15.82	105	3652064	9.936	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	3190781	9.504	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3222336	9.314	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	1801467	9.481	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	1717850	8.984	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	1701000	9.245	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	932378	8.116	ppbv	98
79) Naphthalene	22.17	128	1748575	9.598	ppbv	100
80) Naphthalene,2-methyl-	24.96	142	377013	9.656	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	974051	9.304	ppbv	100

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

