

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038941.D
 Acq On : 15 Apr 2022 10:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 15 16:30:26 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A

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

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 04/15/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1110141	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3049739	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2686305m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2212654	10.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	1872108	11.889	ppbv	100
3) Chlorodifluoromethane	2.98	51	1348130	9.951	ppbv	98
4) Chloromethane	3.13	50	687657	9.802	ppbv	99
5) Vinyl Chloride	3.25	62	642822	9.916	ppbv	99
6) Bromomethane	3.47	94	309312	9.862	ppbv	97
7) Chloroethane	3.55	64	212943	9.851	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1506153	10.239	ppbv	99
9) Propene	3.01	41	690744	9.636	ppbv	99
10) Heptane	8.10	43	1689256	9.356	ppbv	98
11) Trichlorofluoromethane	3.94	101	1341181	10.599	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1048589	10.819	ppbv	96
13) Ethanol	3.59	45	44642m	10.248	ppbv	
14) Bromoethene	3.73	108	452970	10.627	ppbv	95
15) Acetone	3.84	43	1172836	10.612	ppbv	98
16) 1,3-Butadiene	3.32	39	627022	9.924	ppbv	99
17) tert-Butyl alcohol	4.27	59	824543	8.319	ppbv	99
18) 1,1-Dichloroethene	4.28	96	469748	10.632	ppbv	97
19) Isopropyl Alcohol	3.95	45	555249	9.829	ppbv #	100
20) Methylene Chloride	4.33	84	385868	9.626	ppbv	96
21) Allyl Chloride	4.40	41	787606	9.517	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	492852	11.017	ppbv	94
23) Vinyl Acetate	5.06	43	1184673	11.006	ppbv	99
24) 1,1-Dichloroethane	5.00	63	993226	10.211	ppbv	99
25) Ethyl Acetate	5.66	43	2769168	9.874	ppbv	99
26) Hexane	5.67	57	1204497	9.436	ppbv	100
27) Carbon Disulfide	4.54	76	1212872	10.361	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	920983	9.342	ppbv	100
29) Chloroform	5.74	83	1818114	10.180	ppbv	99
30) Cyclohexane	7.11	84	1067103	9.485	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	1175686	10.017	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1787061	9.931	ppbv	99
34) 2-Butanone	5.23	43	1227517	10.186	ppbv	99
35) Carbon Tetrachloride	7.01	117	1840809	10.068	ppbv	95
36) Benzene	6.88	78	2604430	9.387	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1343760	10.594	ppbv	98
38) Trichloroethene	7.82	130	1044991	9.180	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1003594	9.457	ppbv	97
40) 1,4-Dioxane	7.81	88	337544	9.367	ppbv #	2
41) Tetrahydrofuran	6.03	42	1090367	9.527	ppbv	99
42) Bromodichloromethane	7.78	83	2015257	10.061	ppbv	100
43) Methyl Methacrylate	8.00	69	1058110	9.958	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038941.D
 Acq On : 15 Apr 2022 10:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 15 16:30:26 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A

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

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 04/15/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4329150	9.216	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1114583	10.031	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1399763	9.555	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1046950	9.628	ppbv	97
48) Dibromochloromethane	10.28	129	1725873	10.127	ppbv	98
49) Bromoform	13.02	173	1374155	10.180	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2721104	10.039	ppbv	100
51) 2-Hexanone	10.11	43	2127169	10.415	ppbv #	98
52) Tetrachloroethene	11.20	164	878693	9.067	ppbv	98
53) Toluene	9.79	91	3063734	9.566	ppbv	98
54) 1,2-Dibromoethane	10.59	107	1521757	10.075	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1222351	10.383	ppbv	97
57) Chlorobenzene	12.13	112	2154811	9.794	ppbv	98
58) Ethyl Benzene	12.69	91	4087863	10.184	ppbv	94
59) m/p-Xylene	12.98	91	6758341m	20.040	ppbv	
60) o-Xylene	13.67	91	3145123	9.967	ppbv	97
61) Styrene	13.51	104	1954453	10.166	ppbv	98
62) Isopropylbenzene	14.65	105	4631185	9.777	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	1974893	9.881	ppbv	100
64) n-propylbenzene	15.55	120	1206281	9.808	ppbv	87
65) tert-Butylbenzene	16.73	119	3991107	9.497	ppbv	97
66) Benzyl Chloride	16.97	91	601239m	7.028	ppbv	
67) sec-Butylbenzene	17.27	105	5792576	9.823	ppbv	98
69) p-Isopropyltoluene	17.63	119	4780024	9.872	ppbv	99
70) n-Butylbenzene	18.53	91	5173323	10.606	ppbv	98
71) 2-Chlorotoluene	15.43	91	3582224	10.058	ppbv	97
72) 4-Ethyltoluene	15.82	105	3858150	10.239	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	3431833	10.138	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	3632814	10.152	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2085380	10.037	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2062161	10.076	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	2023949	9.882	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1419298	8.771	ppbv	100
79) Naphthalene	22.17	128	2896589m	10.821	ppbv	
80) Naphthalene, 2-methyl-	24.95	142	763438	11.574	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	1607883	10.264	ppbv	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041422\
Data File : VL038941.D
Acq On : 15 Apr 2022 10:12
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Apr 15 16:30:26 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/15/2022
Supervised By :Mahesh Dadoda 04/18/2022

