

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038810.D
 Acq On : 31 Mar 2022 10:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 01 05:19:36 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A

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

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/02/2022
 Supervised By :Mahesh Dadoda 04/04/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	840838	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2405515	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2131840m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1616454	9.89	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1096119	9.697	ppbv 100
3) Chlorodifluoromethane	3.01	51	905725	10.199	ppbv 99
4) Chloromethane	3.16	50	496925	10.192	ppbv 100
5) Vinyl Chloride	3.28	62	490227	9.895	ppbv 100
6) Bromomethane	3.49	94	263797	9.988	ppbv 100
7) Chloroethane	3.57	64	165757	10.107	ppbv 97
8) Dichlorotetrafluoroethane	3.20	85	1127616	9.992	ppbv 93
9) Propene	3.02	41	440829	10.282	ppbv 99
10) Heptane	8.14	43	1124340	10.971	ppbv 100
11) Trichlorofluoromethane	3.97	101	999267	10.016	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	800749	10.427	ppbv 95
13) Ethanol	3.62	45	39348m	8.320	ppbv
14) Bromoethene	3.75	108	363077	10.638	ppbv 98
15) Acetone	3.86	43	704695	9.713	ppbv 99
16) 1,3-Butadiene	3.34	39	426164	10.350	ppbv 99
17) tert-Butyl alcohol	4.30	59	766222	12.092	ppbv 100
18) 1,1-Dichloroethene	4.30	96	364553	10.567	ppbv 96
19) Isopropyl Alcohol	3.98	45	417523	10.379	ppbv # 98
20) Methylene Chloride	4.36	84	305266	9.989	ppbv 97
21) Allyl Chloride	4.43	41	551419	10.560	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	392732	10.975	ppbv 99
23) Vinyl Acetate	5.09	43	806302	11.477	ppbv 98
24) 1,1-Dichloroethane	5.02	63	728904	10.535	ppbv 100
25) Ethyl Acetate	5.69	43	1910162	10.458	ppbv 99
26) Hexane	5.70	57	863887	10.565	ppbv 97
27) Carbon Disulfide	4.56	76	958477	11.949	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	698350	11.465	ppbv 99
29) Chloroform	5.77	83	1342445	10.254	ppbv 100
30) Cyclohexane	7.14	84	759631	10.684	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	827576	10.764	ppbv 96
32) 1,1,1-Trichloroethane	6.53	97	1337157	10.583	ppbv 98
34) 2-Butanone	5.26	43	844677	8.872	ppbv 99
35) Carbon Tetrachloride	7.03	117	1393923	9.987	ppbv 99
36) Benzene	6.91	78	1874754	10.098	ppbv 100
37) 1,2-Dichloroethane	6.32	62	920236	9.744	ppbv 99
38) Trichloroethene	7.85	130	808242	10.392	ppbv 97
39) 1,2-Dichloropropane	7.63	63	710742	9.793	ppbv 98
40) 1,4-Dioxane	7.85	88	248189	9.847	ppbv 93
41) Tetrahydrofuran	6.06	42	737540	10.408	ppbv 100
42) Bromodichloromethane	7.81	83	1443932	10.198	ppbv 100
43) Methyl Methacrylate	8.03	69	745206	10.812	ppbv 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038810.D
 Acq On : 31 Mar 2022 10:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 01 05:19:36 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A

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

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/02/2022
 Supervised By :Mahesh Dadoda 04/04/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3024471	9.703	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	792501	11.308	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	999466	10.547	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	767876	9.910	ppbv	100
48) Dibromochloromethane	10.32	129	1336660	11.012	ppbv	100
49) Bromoform	13.06	173	1107982	11.200	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	1775311	10.029	ppbv	99
51) 2-Hexanone	10.15	43	1357246	10.675	ppbv	100
52) Tetrachloroethene	11.24	164	706251	10.395	ppbv	97
53) Toluene	9.82	91	2135190	10.704	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1122728	10.611	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	910017	10.296	ppbv	97
57) Chlorobenzene	12.17	112	1558676	10.137	ppbv	97
58) Ethyl Benzene	12.73	91	2738336	10.987	ppbv	100
59) m/p-Xylene	13.01	91	4513894m	20.705	ppbv	
60) o-Xylene	13.71	91	2112349	10.205	ppbv	97
61) Styrene	13.54	104	1332513	11.871	ppbv	99
62) Isopropylbenzene	14.68	105	3249930	10.444	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	1401523	8.741	ppbv	99
64) n-propylbenzene	15.58	120	861981	10.556	ppbv	99
65) tert-Butylbenzene	16.76	119	2784907	9.960	ppbv	98
66) Benzyl Chloride	17.00	91	474230	8.957	ppbv	98
67) sec-Butylbenzene	17.31	105	3927771	9.822	ppbv	100
69) p-Isopropyltoluene	17.67	119	3251272	9.962	ppbv	99
70) n-Butylbenzene	18.56	91	3214420	9.549	ppbv	99
71) 2-Chlorotoluene	15.47	91	2315127	10.023	ppbv	98
72) 4-Ethyltoluene	15.85	105	2601071	10.645	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	2265828	10.176	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	2387486	9.844	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	1501625	9.721	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1465720	9.541	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	1436028	9.384	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	960388	6.790	ppbv	100
79) Naphthalene	22.21	128	1668834	9.006	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	351384	7.072	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1034435	8.155	ppbv	99

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

