

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038161.D
 Acq On : 8 Dec 2021 9:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 15:05:38 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	5.67	49	768821	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2188585	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2089606	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1657791	11.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	1269961	10.000	ppbv	97
3) Chlorodifluoromethane	3.00	51	1932590	11.970	ppbv	97
4) Chloromethane	3.15	50	661183	12.030	ppbv	98
5) Vinyl Chloride	3.27	62	656964	12.184	ppbv	97
6) Bromomethane	3.48	94	371774	12.871	ppbv	98
7) Chloroethane	3.56	64	227388	11.883	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1558171	12.334	ppbv	93
9) Propene	3.02	41	631958	10.628	ppbv	96
10) Heptane	8.12	43	1638438	11.149	ppbv	99
11) Trichlorofluoromethane	3.95	101	1579563	13.078	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1151143	13.474	ppbv	97
13) Ethanol	3.62	45	58076	10.107	ppbv	93
14) Bromoethene	3.75	108	454751	11.887	ppbv	99
15) Acetone	3.85	43	816772	12.253	ppbv	96
16) 1,3-Butadiene	3.33	39	640556	12.318	ppbv	97
17) tert-Butyl alcohol	4.29	59	906705	11.214	ppbv	100
18) 1,1-Dichloroethene	4.29	96	503075	12.836	ppbv	92
19) Isopropyl Alcohol	3.97	45	508483	10.558	ppbv #	96
20) Methylene Chloride	4.35	84	419248	11.229	ppbv	98
21) Allyl Chloride	4.42	41	765824	12.412	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	559835	14.102	ppbv	95
23) Vinyl Acetate	5.07	43	1251866	12.973	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1076181	13.393	ppbv	98
25) Ethyl Acetate	5.68	43	2503375	11.300	ppbv	100
26) Hexane	5.69	57	1155309	10.820	ppbv	99
27) Carbon Disulfide	4.55	76	1260432	13.177	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1138581	12.553	ppbv	100
29) Chloroform	5.75	83	1858629	11.810	ppbv	97
30) Cyclohexane	7.13	84	1026922	10.593	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	1033349	10.173	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	1855062	11.615	ppbv	97
34) 2-Butanone	5.24	43	864257	9.793	ppbv	98
35) Carbon Tetrachloride	7.02	117	1930425	12.554	ppbv	97
36) Benzene	6.89	78	2528957	11.584	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1497098	14.199	ppbv	96
38) Trichloroethene	7.83	130	884499	10.741	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1008938	12.048	ppbv	95
40) 1,4-Dioxane	7.83	88	243076	11.141	ppbv #	1
41) Tetrahydrofuran	6.05	42	639670	11.677	ppbv	98
42) Bromodichloromethane	7.79	83	2062113	12.864	ppbv	99
43) Methyl Methacrylate	8.01	69	934966	12.518	ppbv	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038161.D
 Acq On : 8 Dec 2021 9:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 15:05:38 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	7.87	57	4159043	11.387	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	921322	15.378	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1161798	14.337	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1002905	11.435	ppbv	97
48) Dibromochloromethane	10.30	129	1668271	12.490	ppbv	98
49) Bromoform	13.03	173	1225171	12.821	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1709138	12.753	ppbv	98
51) 2-Hexanone	10.14	43	825836	13.097	ppbv #	96
52) Tetrachloroethene	11.22	164	828049	10.251	ppbv	98
53) Toluene	9.80	91	2857646	11.376	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1486592	11.999	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1067559	11.254	ppbv	97
57) Chlorobenzene	12.14	112	1986485	10.607	ppbv	93
58) Ethyl Benzene	12.70	91	3776741	10.935	ppbv	98
59) m/p-Xylene	12.99	91	6445329m	22.169	ppbv	
60) o-Xylene	13.69	91	2919242	10.824	ppbv	96
61) Styrene	13.52	104	1551999	10.733	ppbv	93
62) Isopropylbenzene	14.66	105	3981752	10.401	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2146932	10.717	ppbv	99
64) n-propylbenzene	15.55	120	1020123	10.460	ppbv	88
65) tert-Butylbenzene	16.74	119	3451040	10.232	ppbv	96
66) Benzyl Chloride	16.98	91	170988	10.003	ppbv	94
67) sec-Butylbenzene	17.29	105	4878434	10.380	ppbv	100
69) p-Isopropyltoluene	17.64	119	3991636	10.858	ppbv	97
70) n-Butylbenzene	18.54	91	4098557	11.660	ppbv	98
71) 2-Chlorotoluene	15.45	91	3103248	11.087	ppbv	96
72) 4-Ethyltoluene	15.83	105	3430727	10.971	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3085586	10.804	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3221919	10.947	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	1815403	11.231	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1737455	10.681	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1727956	11.040	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	918166	9.395	ppbv	98
79) Naphthalene	22.18	128	1721068	11.104	ppbv	97
80) Naphthalene,2-methyl-	24.97	142	365877	11.015	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	965104	10.836	ppbv	100

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038161.D
 Acq On : 8 Dec 2021 9:27
 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: Dec 08 15:05:38 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821

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

QLast Update : Thu Nov 18 13:16:09 2021

Response via : Initial Calibration

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021

