

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038023.D
 Acq On : 16 Nov 2021 1:47
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Nov 16 09:45:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	883777	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3372727	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3304058m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2310493	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1590528	11.975	ppbv 100
3) Chlorodifluoromethane	2.99	51	2007741	11.443	ppbv 100
4) Chloromethane	3.14	50	738400	11.174	ppbv 100
5) Vinyl Chloride	3.26	62	745034	11.852	ppbv 100
6) Bromomethane	3.48	94	380991	11.210	ppbv 100
7) Chloroethane	3.56	64	250876	10.990	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1637927	10.867	ppbv 100
9) Propene	3.01	41	761977	11.920	ppbv 100
10) Heptane	8.12	43	1864082	12.646	ppbv 100
11) Trichlorofluoromethane	3.95	101	1547183	11.733	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1215499	11.805	ppbv 100
13) Ethanol	3.62	45	66713m	10.739	ppbv
14) Bromoethene	3.74	108	490863	11.090	ppbv 100
15) Acetone	3.85	43	845059	10.908	ppbv 99
16) 1,3-Butadiene	3.33	39	705257	11.597	ppbv 100
17) tert-Butyl alcohol	4.29	59	1311541	14.866	ppbv 100
18) 1,1-Dichloroethene	4.29	96	560101	11.758	ppbv 100
19) Isopropyl Alcohol	3.97	45	651532	12.792	ppbv 99
20) Methylene Chloride	4.35	84	462395	10.879	ppbv 100
21) Allyl Chloride	4.41	41	931719	12.715	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	598659	12.489	ppbv 100
23) Vinyl Acetate	5.07	43	1570944	12.972	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1206224	12.274	ppbv 100
25) Ethyl Acetate	5.67	43	2183365	9.949	ppbv 99
26) Hexane	5.69	57	1058855	10.129	ppbv 100
27) Carbon Disulfide	4.55	76	1504162	13.600	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1424098	14.424	ppbv 100
29) Chloroform	5.75	83	1740083	10.859	ppbv 100
30) Cyclohexane	7.13	84	1193031	12.512	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	927153	9.873	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1976814	12.349	ppbv 100
34) 2-Butanone	5.24	43	960479	7.930	ppbv 100
35) Carbon Tetrachloride	7.02	117	1986354	9.613	ppbv 100
36) Benzene	6.89	78	2845756	10.218	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1378485	10.362	ppbv 100
38) Trichloroethene	7.83	130	1047323	9.184	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1131951	10.669	ppbv 100
40) 1,4-Dioxane	7.83	88	256063	9.382	ppbv # 100
41) Tetrahydrofuran	6.05	42	725422	11.402	ppbv 100
42) Bromodichloromethane	7.79	83	2149232	10.624	ppbv 100
43) Methyl Methacrylate	8.01	69	1060537	11.471	ppbv 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038023.D
 Acq On : 16 Nov 2021 1:47
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 16 09:45:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4655852	9.874	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	962267	13.715	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1199794	12.705	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1140319	9.724	ppbv	100
48) Dibromochloromethane	10.30	129	1850830	11.016	ppbv	99
49) Bromoform	13.03	173	1444129	10.940	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1841070	11.020	ppbv	100
51) 2-Hexanone	10.14	43	863126m	11.965	ppbv	
52) Tetrachloroethene	11.22	164	972655	9.314	ppbv	100
53) Toluene	9.80	91	3271573	10.943	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1621667	10.655	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1218006	9.161	ppbv	98
57) Chlorobenzene	12.14	112	2293681	8.781	ppbv	100
58) Ethyl Benzene	12.70	91	4200831	10.350	ppbv	100
59) m/p-Xylene	12.99	91	6749718m	18.944	ppbv	
60) o-Xylene	13.69	91	3126176	9.323	ppbv	99
61) Styrene	13.52	104	1932611	12.234	ppbv	100
62) Isopropylbenzene	14.66	105	4518172	9.427	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2183339	7.567	ppbv	100
64) n-propylbenzene	15.55	120	1177653	9.661	ppbv	100
65) tert-Butylbenzene	16.74	119	3774303	8.973	ppbv	100
66) Benzyl Chloride	16.98	91	302482	13.219	ppbv	100
67) sec-Butylbenzene	17.28	105	5242918	9.045	ppbv	100
69) p-Isopropyltoluene	17.64	119	4281417	9.226	ppbv	100
70) n-Butylbenzene	18.54	91	4084746	9.587	ppbv	100
71) 2-Chlorotoluene	15.45	91	3258095	9.743	ppbv	100
72) 4-Ethyltoluene	15.83	105	3883612	10.004	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3403620	9.439	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3360404	8.943	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	1984797	8.517	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	1953590	8.641	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	1830180	8.371	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1040286	5.761	ppbv	100
79) Naphthalene	22.18	128	2046496	9.886	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	390105m	10.947	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	1099613m	8.168	ppbv	

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

