

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040579.D
 Acq On : 31 Jul 2023 19:20
 Operator : SY/MD
 Sample : 03572-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Quant Time: Aug 01 01:41:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 01:41:17 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.185	49	1025723	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2539779	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2224971	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	1947728	11.061	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.719	85	96624	0.471	ppbv	96
3) Chlorodifluoromethane	2.665	51	72698	0.447	ppbv	96
4) Chloromethane	2.803	50	25350	0.394	ppbv #	85
5) Vinyl Chloride	2.912	62	26743	0.395	ppbv	97
6) Bromomethane	3.108	94	13102m	0.459	ppbv	
7) Chloroethane	3.189	64	10125	0.427	ppbv #	89
8) Dichlorotetrafluoroethane	2.848	85	77167	0.457	ppbv	99
9) Propene	2.687	41	18830	0.338	ppbv	95
10) Heptane	7.577	43	31300	0.255	ppbv	93
11) Trichlorofluoromethane	3.555	101	86035	0.520	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.060	101	58405	0.501	ppbv	94
13) Ethanol	3.250	45	5099m	0.421	ppbv	
14) Bromoethene	3.362	108	21130	0.421	ppbv #	98
15) Acetone	3.475	43	56110m	0.475	ppbv	
16) 1,3-Butadiene	2.976	39	24603	0.413	ppbv	93
17) tert-Butyl alcohol	3.886	59	52557m	0.430	ppbv	
18) 1,1-Dichloroethene	3.873	96	22735	0.424	ppbv #	78
19) Isopropyl Alcohol	3.587	45	29202m	0.431	ppbv	
20) Methylene Chloride	3.925	84	31158	0.620	ppbv #	91
21) Allyl Chloride	3.989	41	25241	0.374	ppbv	85
22) trans-1,2-Dichloroethene	4.436	96	21072	0.398	ppbv	93
23) Vinyl Acetate	4.626	43	52005m	0.462	ppbv	
24) 1,1-Dichloroethane	4.555	63	49491	0.433	ppbv	98
25) Ethyl Acetate	5.205	43	76239	0.339	ppbv	97
26) Hexane	5.208	57	32432	0.311	ppbv #	73
27) Carbon Disulfide	4.115	76	51931	0.423	ppbv #	92
28) Methyl tert-Butyl Ether	4.590	73	32257	0.384	ppbv	98
29) Chloroform	5.269	83	71845	0.415	ppbv	97
30) Cyclohexane	6.594	84	18535m	0.213	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	33304m	0.323	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	68695	0.405	ppbv	96
34) 2-Butanone	4.796	43	46407	0.370	ppbv	93
35) Carbon Tetrachloride	6.487	117	69303	0.453	ppbv	92
36) Benzene	6.365	78	62202m	0.304	ppbv	
37) 1,2-Dichloroethane	5.803	62	49805	0.414	ppbv #	96
38) Trichloroethene	7.285	130	23956m	0.310	ppbv	
39) 1,2-Dichloropropane	7.060	63	27949m	0.355	ppbv	
40) 1,4-Dioxane	7.314	88	7253m	0.295	ppbv	
41) Tetrahydrofuran	5.584	42	18868m	0.258	ppbv	
42) Bromodichloromethane	7.240	83	66159	0.396	ppbv	89
43) Methyl Methacrylate	7.478	69	17359	0.227	ppbv	88
44) 2,2,4-Trimethylpentane	7.323	57	89369	0.272	ppbv #	78
45) t-1,3-Dichloropropene	8.706	75	11472m	0.234	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040579.D
 Acq On : 31 Jul 2023 19:20
 Operator : SY/MD
 Sample : 03572-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:41:17 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	15898	0.253	ppbv	93
47) 1,1,2-Trichloroethane	8.893	97	31387m	0.362	ppbv	
48) Dibromochloromethane	9.700	129	46780m	0.349	ppbv	
49) Bromoform	12.400	173	35542m	0.334	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	48880m	0.268	ppbv	
51) 2-Hexanone	9.568	43	28113m	0.218	ppbv	
52) Tetrachloroethene	10.610	164	22288m	0.337	ppbv	
53) Toluene	9.217	91	45466	0.205	ppbv	97
54) 1,2-Dibromoethane	10.002	107	34174m	0.317	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.503	131	41845	0.420	ppbv #	1
57) Chlorobenzene	11.523	112	66799m	0.385	ppbv	
58) Ethyl Benzene	12.089	91	58715	0.210	ppbv	97
59) m/p-Xylene	12.375	91	134960m	0.542	ppbv	
60) o-Xylene	13.060	91	61960m	0.261	ppbv	
61) Styrene	12.899	104	19018m	0.174	ppbv	
62) Isopropylbenzene	14.024	105	104002	0.292	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	71066	0.427	ppbv	97
64) n-propylbenzene	14.918	120	24397m	0.265	ppbv	
65) tert-Butylbenzene	16.092	119	87427m	0.278	ppbv	
66) Benzyl Chloride	16.330	91	7633m	0.343	ppbv	
67) sec-Butylbenzene	16.632	105	132211	0.286	ppbv	97
69) p-Isopropyltoluene	16.992	119	98749m	0.258	ppbv	
70) n-Butylbenzene	17.889	91	114119	0.268	ppbv	94
71) 2-Chlorotoluene	14.799	91	73037	0.266	ppbv	95
72) 4-Ethyltoluene	15.195	105	63676	0.229	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.352	105	64109m	0.261	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	84682	0.296	ppbv #	90
75) 1,3-Dichlorobenzene	16.323	146	57812m	0.333	ppbv	
76) 1,4-Dichlorobenzene	16.477	146	60799m	0.358	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	59017m	0.356	ppbv	
78) Hexachloro-1,3-Butadiene	22.632	225	58381m	0.375	ppbv	
79) Naphthalene	21.387	128	45007m	0.186	ppbv	
80) Naphthalene,2-methyl-	24.410	142	6103m	0.061	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	37594m	0.225	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
Data File : VL040579.D
Acq On : 31 Jul 2023 19:20
Operator : SY/MD
Sample : 03572-15 0.40
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Quant Time: Aug 01 01:41:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
Supervised By : Mahesh Dadoda 08/01/2023

