

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040356.D
 Acq On : 13 Apr 2023 11:23
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Apr 13 12:15:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Bromochloromethane	5.188	49	1064990	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2707910	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2490567	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2044658	9.803	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	218456	1.045	ppbv	99
3) Chlorodifluoromethane	2.664	51	152096	1.136	ppbv	100
4) Chloromethane	2.799	50	95059	1.150	ppbv	99
5) Vinyl Chloride	2.909	62	74742	1.116	ppbv	94
6) Bromomethane	3.108	94	26856	1.157	ppbv	89
7) Chloroethane	3.185	64	29016	1.129	ppbv	94
8) Dichlorotetrafluoroethane	2.844	85	201314	1.126	ppbv	97
9) Propene	2.684	41	59544	1.161	ppbv	96
10) Heptane	7.584	43	126625	1.026	ppbv	98
11) Trichlorofluoromethane	3.555	101	203415	1.074	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	146080	1.027	ppbv	97
13) Ethanol	3.243	45	5265m	1.399	ppbv	
14) Bromoethene	3.356	108	57610	1.086	ppbv	97
15) Acetone	3.465	43	172168	1.328	ppbv	95
16) 1,3-Butadiene	2.973	39	68471m	1.162	ppbv	
17) tert-Butyl alcohol	3.873	59	150090	1.218	ppbv	100
18) 1,1-Dichloroethene	3.870	96	61505	1.008	ppbv	99
19) Isopropyl Alcohol	3.578	45	66854	1.076	ppbv #	86
20) Methylene Chloride	3.925	84	69100	1.267	ppbv	99
21) Allyl Chloride	3.989	41	86241	1.027	ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	64286	1.036	ppbv	90
23) Vinyl Acetate	4.619	43	42091m	1.167	ppbv	
24) 1,1-Dichloroethane	4.558	63	135920	1.056	ppbv	100
25) Ethyl Acetate	5.205	43	273618	1.127	ppbv	99
26) Hexane	5.208	57	111104	1.115	ppbv	93
27) Carbon Disulfide	4.118	76	130483	0.938	ppbv	94
28) Methyl tert-Butyl Ether	4.587	73	117727	1.029	ppbv	99
29) Chloroform	5.269	83	200514	1.140	ppbv	96
30) Cyclohexane	6.600	84	81470	1.038	ppbv	95
31) cis-1,2-Dichloroethene	5.076	61	107830	1.111	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	194071	1.151	ppbv	100
34) 2-Butanone	4.787	43	151994	1.137	ppbv	96
35) Carbon Tetrachloride	6.494	117	192185	1.131	ppbv	98
36) Benzene	6.368	78	231282	1.121	ppbv	97
37) 1,2-Dichloroethane	5.803	62	149332	1.112	ppbv	98
38) Trichloroethene	7.291	130	129416	1.148	ppbv	95
39) 1,2-Dichloropropane	7.076	63	88332	1.091	ppbv	94
40) 1,4-Dioxane	7.304	88	36402m	1.136	ppbv	
41) Tetrahydrofuran	5.568	42	82568m	1.070	ppbv	
42) Bromodichloromethane	7.249	83	204011	1.111	ppbv	98
43) Methyl Methacrylate	7.478	69	77841	1.015	ppbv	96
44) 2,2,4-Trimethylpentane	7.330	57	382791	1.113	ppbv	97
45) t-1,3-Dichloropropene	8.719	75	61106	0.914	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040356.D
 Acq On : 13 Apr 2023 11:23
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 12:15:57 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	89898	0.947	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	96964m	1.122	ppbv	
48) Dibromochloromethane	9.716	129	146070	1.027	ppbv	98
49) Bromoform	12.416	173	107403	1.006	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	215329	1.041	ppbv	99
51) 2-Hexanone	9.568	43	153287	0.957	ppbv #	97
52) Tetrachloroethene	10.619	164	73091	1.171	ppbv	93
53) Toluene	9.224	91	227600	1.052	ppbv	98
54) 1,2-Dibromoethane	10.015	107	98581m	1.109	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	119834	1.144	ppbv #	1
57) Chlorobenzene	11.535	112	207137m	1.169	ppbv	
58) Ethyl Benzene	12.098	91	311016	1.097	ppbv	96
59) m/p-Xylene	12.378	91	587524m	2.262	ppbv	
60) o-Xylene	13.066	91	281104	1.132	ppbv	99
61) Styrene	12.905	104	123488	0.980	ppbv	99
62) Isopropylbenzene	14.037	105	408940	1.156	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.053	83	105117m	1.203	ppbv	
64) n-propylbenzene	14.924	120	96929	1.120	ppbv	83
65) tert-Butylbenzene	16.095	119	363951m	1.194	ppbv	
66) Benzyl Chloride	16.346	91	19047m	0.962	ppbv	
67) sec-Butylbenzene	16.645	105	517456	1.187	ppbv	98
69) p-Isopropyltoluene	17.008	119	405281	1.194	ppbv	97
70) n-Butylbenzene	17.899	91	445793	1.192	ppbv	98
71) 2-Chlorotoluene	14.809	91	310391	1.153	ppbv	99
72) 4-Ethyltoluene	15.204	105	302534	1.114	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	278100	1.131	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	332620	1.186	ppbv #	86
75) 1,3-Dichlorobenzene	16.342	146	177845	1.171	ppbv	96
76) 1,4-Dichlorobenzene	16.484	146	170421	1.176	ppbv	96
77) 1,2-Dichlorobenzene	17.153	146	178156	1.220	ppbv	98
78) Hexachloro-1,3-Butadiene	22.651	225	147034m	1.373	ppbv	
79) Naphthalene	21.400	128	215475	1.299	ppbv	99
80) Naphthalene,2-methyl-	24.393	142	42162	1.003	ppbv	93
81) 1,2,4-Trichlorobenzene	21.149	180	125893m	1.232	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
Data File : VL040356.D
Acq On : 13 Apr 2023 11:23
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 12:15:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration

