

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040220.D
 Acq On : 23 Feb 2023 13:12
 Operator : SY/MD
 Sample : 01627-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Quant Time: Feb 24 01:02:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	824464	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2082376	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1837086	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1573219	10.414	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	75479	0.491	ppbv	97
3) Chlorodifluoromethane	2.665	51	45422	0.461	ppbv	98
4) Chloromethane	2.806	50	28881	0.467	ppbv	88
5) Vinyl Chloride	2.912	62	21166	0.426	ppbv	92
6) Bromomethane	3.108	94	8705m	0.485	ppbv	
7) Chloroethane	3.192	64	8689m	0.441	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	60819	0.459	ppbv	98
9) Propene	2.687	41	17080	0.425	ppbv	99
10) Heptane	7.581	43	34996m	0.366	ppbv	
11) Trichlorofluoromethane	3.555	101	61567	0.447	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	47408	0.466	ppbv	99
13) Ethanol	3.253	45	1576m	0.426	ppbv	
14) Bromoethene	3.359	108	16407	0.421	ppbv #	91
15) Acetone	3.478	43	49887	0.503	ppbv	94
16) 1,3-Butadiene	2.977	39	18782	0.414	ppbv	93
17) tert-Butyl alcohol	3.893	59	40224	0.444	ppbv #	91
18) 1,1-Dichloroethene	3.880	96	20090	0.455	ppbv	84
19) Isopropyl Alcohol	3.591	45	22539	0.478	ppbv #	86
20) Methylene Chloride	3.931	84	29675	0.574	ppbv	97
21) Allyl Chloride	3.989	41	27513	0.452	ppbv	93
22) trans-1,2-Dichloroethene	4.443	96	19323	0.422	ppbv #	87
23) Vinyl Acetate	4.632	43	11937m	0.396	ppbv	
24) 1,1-Dichloroethane	4.558	63	42805	0.455	ppbv #	93
25) Ethyl Acetate	5.211	43	77844	0.422	ppbv	97
26) Hexane	5.211	57	32260	0.407	ppbv	90
27) Carbon Disulfide	4.118	76	36704	0.365	ppbv #	83
28) Methyl tert-Butyl Ether	4.594	73	34585	0.407	ppbv	94
29) Chloroform	5.272	83	57793	0.425	ppbv	92
30) Cyclohexane	6.603	84	21110	0.339	ppbv #	82
31) cis-1,2-Dichloroethene	5.076	61	28714	0.382	ppbv #	85
32) 1,1,1-Trichloroethane	5.999	97	56764	0.444	ppbv	100
34) 2-Butanone	4.796	43	45526	0.443	ppbv	96
35) Carbon Tetrachloride	6.494	117	52623	0.427	ppbv	97
36) Benzene	6.369	78	63597	0.392	ppbv #	91
37) 1,2-Dichloroethane	5.803	62	45027	0.444	ppbv	99
38) Trichloroethene	7.291	130	34905	0.391	ppbv #	90
39) 1,2-Dichloropropane	7.073	63	26922	0.427	ppbv	94
40) 1,4-Dioxane	7.324	88	10833m	0.430	ppbv	
41) Tetrahydrofuran	5.581	42	24780m	0.416	ppbv	
42) Bromodichloromethane	7.250	83	53214	0.380	ppbv	94
43) Methyl Methacrylate	7.481	69	21081m	0.352	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	103181	0.381	ppbv	93
45) t-1,3-Dichloropropene	8.706	75	15850m	0.298	ppbv	

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46) cis-1,3-Dichloropropene	8.144	75	25209m	0.340	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	29118	0.427	ppbv #	84
48) Dibromochloromethane	9.709	129	37503	0.344	ppbv	97
49) Bromoform	12.413	173	28470m	0.334	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	58724	0.368	ppbv	97
51) 2-Hexanone	9.584	43	41544m	0.339	ppbv	
52) Tetrachloroethene	10.623	164	21823m	0.431	ppbv	
53) Toluene	9.227	91	58010m	0.334	ppbv	
54) 1,2-Dibromoethane	10.012	107	26709m	0.376	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	32744m	0.425	ppbv	
57) Chlorobenzene	11.529	112	60634	0.452	ppbv #	83
58) Ethyl Benzene	12.092	91	74658	0.334	ppbv	97
59) m/p-Xylene	12.368	91	148315m	0.750	ppbv	
60) o-Xylene	13.069	91	68856m	0.362	ppbv	
61) Styrene	12.899	104	27419m	0.275	ppbv	
62) Isopropylbenzene	14.040	105	109778	0.402	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	32254m	0.471	ppbv	
64) n-propylbenzene	14.925	120	24394	0.361	ppbv	73
65) tert-Butylbenzene	16.098	119	84793	0.357	ppbv #	84
66) Benzyl Chloride	16.336	91	6070m	0.384	ppbv	
67) sec-Butylbenzene	16.645	105	125947	0.370	ppbv	99
69) p-Isopropyltoluene	17.005	119	92085	0.341	ppbv	95
70) n-Butylbenzene	17.896	91	103306m	0.353	ppbv	
71) 2-Chlorotoluene	14.809	91	74991m	0.359	ppbv	
72) 4-Ethyltoluene	15.198	105	75189m	0.358	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	67019	0.343	ppbv	93
74) 1,2,4-Trimethylbenzene	16.114	105	78708	0.366	ppbv	96
75) 1,3-Dichlorobenzene	16.343	146	48873m	0.416	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	46355m	0.402	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	50088m	0.429	ppbv	
78) Hexachloro-1,3-Butadiene	22.645	225	35346m	0.440	ppbv	
79) Naphthalene	21.394	128	32558m	0.270	ppbv	
80) Naphthalene,2-methyl-	24.435	142	7176m	0.209	ppbv	
81) 1,2,4-Trichlorobenzene	21.166	180	24170m	0.320	ppbv	

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

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