

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040559.D
 Acq On : 27 Jul 2023 3:27
 Operator : SY/MD
 Sample : 03572-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2023

Quant Time: Jul 27 04:46:48 2023

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

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

QLast Update : Thu Jul 27 04:45:44 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

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

Internal Standards						
1) Bromochloromethane	5.179	49	995484	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2479270	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	2163627	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1821653	10.638	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.713	85	107534	0.540	ppbv	98
3) Chlorodifluoromethane	2.658	51	82935	0.526	ppbv	100
4) Chloromethane	2.799	50	30349	0.486	ppbv	96
5) Vinyl Chloride	2.902	62	30341m	0.462	ppbv	
6) Bromomethane	3.102	94	15033	0.543	ppbv	95
7) Chloroethane	3.182	64	11886	0.516	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	84499	0.516	ppbv	96
9) Propene	2.677	41	23547	0.436	ppbv	96
10) Heptane	7.571	43	40712	0.341	ppbv	92
11) Trichlorofluoromethane	3.545	101	94573	0.589	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.053	101	64824	0.573	ppbv	100
13) Ethanol	3.250	45	7479m	0.636	ppbv	
14) Bromoethene	3.352	108	24695	0.508	ppbv #	94
15) Acetone	3.471	43	77185	0.674	ppbv	96
16) 1,3-Butadiene	2.970	39	23794	0.412	ppbv	83
17) tert-Butyl alcohol	3.877	59	63892m	0.539	ppbv	
18) 1,1-Dichloroethene	3.867	96	27423	0.527	ppbv #	94
19) Isopropyl Alcohol	3.578	45	29694	0.451	ppbv #	77
20) Methylene Chloride	3.918	84	30185	0.619	ppbv #	94
21) Allyl Chloride	3.986	41	28562	0.436	ppbv #	73
22) trans-1,2-Dichloroethene	4.433	96	24457	0.477	ppbv	92
23) Vinyl Acetate	4.619	43	53215m	0.487	ppbv	
24) 1,1-Dichloroethane	4.545	63	59322	0.535	ppbv	97
25) Ethyl Acetate	5.201	43	92437	0.424	ppbv	98
26) Hexane	5.198	57	38515	0.380	ppbv #	71
27) Carbon Disulfide	4.111	76	54818	0.460	ppbv #	90
28) Methyl tert-Butyl Ether	4.581	73	38172	0.468	ppbv	92
29) Chloroform	5.259	83	87625	0.521	ppbv	90
30) Cyclohexane	6.593	84	25423	0.301	ppbv #	76
31) cis-1,2-Dichloroethene	5.069	61	40523m	0.405	ppbv	
32) 1,1,1-Trichloroethane	5.992	97	81036	0.493	ppbv	98
34) 2-Butanone	4.790	43	54930	0.448	ppbv	98
35) Carbon Tetrachloride	6.478	117	79176m	0.531	ppbv	
36) Benzene	6.356	78	79132	0.397	ppbv #	89
37) 1,2-Dichloroethane	5.790	62	60880m	0.519	ppbv	
38) Trichloroethene	7.285	130	31118m	0.412	ppbv	
39) 1,2-Dichloropropane	7.057	63	34680	0.452	ppbv #	84
40) 1,4-Dioxane	7.320	88	8953m	0.373	ppbv	
41) Tetrahydrofuran	5.574	42	25259m	0.353	ppbv	
42) Bromodichloromethane	7.237	83	76196	0.467	ppbv	89
43) Methyl Methacrylate	7.471	69	21147	0.283	ppbv	82
44) 2,2,4-Trimethylpentane	7.317	57	127804m	0.398	ppbv	
45) t-1,3-Dichloropropene	8.700	75	13551	0.283	ppbv #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	18152	0.295	ppbv #	93
47) 1,1,2-Trichloroethane	8.883	97	38920m	0.459	ppbv	
48) Dibromochloromethane	9.696	129	52761m	0.403	ppbv	
49) Bromoform	12.397	173	36599m	0.352	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	61957m	0.348	ppbv	
51) 2-Hexanone	9.568	43	38150m	0.303	ppbv	
52) Tetrachloroethene	10.606	164	26934m	0.417	ppbv	
53) Toluene	9.214	91	61696	0.285	ppbv	92
54) 1,2-Dibromoethane	10.002	107	44801	0.425	ppbv	87
56) 1,1,1,2-Tetrachloroethane	11.497	131	46485	0.480	ppbv #	1
57) Chlorobenzene	11.516	112	81197	0.481	ppbv	93
58) Ethyl Benzene	12.085	91	86979m	0.320	ppbv	
59) m/p-Xylene	12.365	91	178100m	0.735	ppbv	
60) o-Xylene	13.053	91	81921m	0.355	ppbv	
61) Styrene	12.892	104	25781m	0.242	ppbv	
62) Isopropylbenzene	14.027	105	131167	0.379	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	84155	0.521	ppbv	99
64) n-propylbenzene	14.915	120	31746m	0.355	ppbv	
65) tert-Butylbenzene	16.088	119	112118	0.366	ppbv #	83
66) Benzyl Chloride	16.333	91	9207m	0.425	ppbv	
67) sec-Butylbenzene	16.635	105	177018	0.393	ppbv	98
69) p-Isopropyltoluene	16.989	119	132645m	0.357	ppbv	
70) n-Butylbenzene	17.882	91	149683	0.361	ppbv	95
71) 2-Chlorotoluene	14.796	91	93400	0.350	ppbv	99
72) 4-Ethyltoluene	15.191	105	86501	0.320	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.352	105	78655	0.330	ppbv	95
74) 1,2,4-Trimethylbenzene	16.101	105	108186	0.389	ppbv	96
75) 1,3-Dichlorobenzene	16.323	146	65416	0.388	ppbv	82
76) 1,4-Dichlorobenzene	16.471	146	72394m	0.438	ppbv	
77) 1,2-Dichlorobenzene	17.133	146	71311m	0.442	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	70563m	0.466	ppbv	
79) Naphthalene	21.384	128	64372m	0.274	ppbv	
80) Naphthalene,2-methyl-	24.377	142	10344m	0.107	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	53474m	0.330	ppbv	

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

