

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040560.D
 Acq On : 27 Jul 2023 4:08
 Operator : SY/MD
 Sample : 03572-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 27 04:47:04 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	961505	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2379571	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	2103637	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1684993	10.121	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	29048	0.151	ppbv	99
3) Chlorodifluoromethane	2.658	51	19050	0.125	ppbv #	89
4) Chloromethane	2.803	50	7064m	0.117	ppbv	
5) Vinyl Chloride	2.903	62	6999m	0.110	ppbv	
6) Bromomethane	3.102	94	4116m	0.154	ppbv	
7) Chloroethane	3.182	64	3274m	0.147	ppbv	
8) Dichlorotetrafluoroethane	2.841	85	19170	0.121	ppbv	94
9) Propene	2.687	41	6437	0.123	ppbv #	69
10) Heptane	7.571	43	7833m	0.068	ppbv	
11) Trichlorofluoromethane	3.549	101	21779	0.140	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	16333m	0.149	ppbv	
13) Ethanol	3.243	45	2001m	0.176	ppbv	
14) Bromoethene	3.356	108	6863m	0.146	ppbv	
15) Acetone	3.478	43	32723	0.296	ppbv #	78
16) 1,3-Butadiene	2.973	39	5894m	0.106	ppbv	
17) tert-Butyl alcohol	3.896	59	13725m	0.120	ppbv	
18) 1,1-Dichloroethene	3.870	96	6689m	0.133	ppbv	
19) Isopropyl Alcohol	3.581	45	9484m	0.149	ppbv	
20) Methylene Chloride	3.925	84	14080m	0.299	ppbv	
21) Allyl Chloride	3.983	41	7348m	0.116	ppbv	
22) trans-1,2-Dichloroethene	4.433	96	5994	0.121	ppbv #	81
23) Vinyl Acetate	4.623	43	12477m	0.118	ppbv	
24) 1,1-Dichloroethane	4.549	63	13285m	0.124	ppbv	
25) Ethyl Acetate	5.208	43	20244	0.096	ppbv	98
26) Hexane	5.198	57	10497	0.107	ppbv #	93
27) Carbon Disulfide	4.118	76	12421m	0.108	ppbv	
28) Methyl tert-Butyl Ether	4.591	73	10482m	0.133	ppbv	
29) Chloroform	5.259	83	21728	0.134	ppbv	96
30) Cyclohexane	6.590	84	5144m	0.063	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	9314m	0.096	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	17783m	0.112	ppbv	
34) 2-Butanone	4.796	43	16264m	0.138	ppbv	
35) Carbon Tetrachloride	6.478	117	16367	0.114	ppbv	92
36) Benzene	6.362	78	16880	0.088	ppbv #	90
37) 1,2-Dichloroethane	5.796	62	13957m	0.124	ppbv	
38) Trichloroethene	7.291	130	7584m	0.105	ppbv	
39) 1,2-Dichloropropane	7.063	63	8618m	0.117	ppbv	
40) 1,4-Dioxane	7.327	88	1955m	0.085	ppbv	
41) Tetrahydrofuran	5.587	42	4896m	0.071	ppbv	
42) Bromodichloromethane	7.250	83	16824m	0.107	ppbv	
43) Methyl Methacrylate	7.475	69	4544m	0.063	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	21288m	0.069	ppbv	
45) t-1,3-Dichloropropene	8.713	75	2709m	0.059	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	3729m	0.063	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	9694m	0.119	ppbv	
48) Dibromochloromethane	9.696	129	10443m	0.083	ppbv	
49) Bromoform	12.394	173	7285m	0.073	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	11198m	0.066	ppbv	
51) 2-Hexanone	9.594	43	6714m	0.056	ppbv	
52) Tetrachloroethene	10.613	164	5719m	0.092	ppbv	
53) Toluene	9.208	91	13216m	0.064	ppbv	
54) 1,2-Dibromoethane	9.999	107	9183m	0.091	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.494	131	10631m	0.113	ppbv	
57) Chlorobenzene	11.523	112	17601m	0.107	ppbv	
58) Ethyl Benzene	12.082	91	15844m	0.060	ppbv	
59) m/p-Xylene	12.372	91	27144m	0.115	ppbv	
60) o-Xylene	13.053	91	12496m	0.056	ppbv	
61) Styrene	12.883	104	4652m	0.045	ppbv	
62) Isopropylbenzene	14.028	105	25002m	0.074	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	18242m	0.116	ppbv	
64) n-propylbenzene	14.918	120	4975m	0.057	ppbv	
65) tert-Butylbenzene	16.092	119	16648m	0.056	ppbv	
66) Benzyl Chloride	16.368	91	3252m	0.154	ppbv	
67) sec-Butylbenzene	16.635	105	26757m	0.061	ppbv	
69) p-Isopropyltoluene	16.995	119	18568m	0.051	ppbv	
70) n-Butylbenzene	17.892	91	23661m	0.059	ppbv	
71) 2-Chlorotoluene	14.802	91	16788m	0.065	ppbv	
72) 4-Ethyltoluene	15.188	105	14874m	0.057	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	12470m	0.054	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	14974m	0.055	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	16994m	0.104	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	15415m	0.096	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	12361m	0.079	ppbv	
78) Hexachloro-1,3-Butadiene	22.619	225	16223m	0.110	ppbv	
79) Naphthalene	21.387	128	8773m	0.038	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	8246m	0.052	ppbv	

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

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