

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040557.D
 Acq On : 27 Jul 2023 2:06
 Operator : SY/MD
 Sample : 03572-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023

Quant Time: Jul 27 04:46:12 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	5.176	49	1002250	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2621212	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.455	117	2288525	10.000	ppbv	-0.02

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.767 95 1882664 10.394 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	119400	0.596	ppbv	97
3) Chlorodifluoromethane	2.658	51	93454	0.588	ppbv	99
4) Chloromethane	2.796	50	36815	0.585	ppbv	94
5) Vinyl Chloride	2.903	62	33977	0.514	ppbv #	85
6) Bromomethane	3.105	94	15830	0.568	ppbv	98
7) Chloroethane	3.176	64	14059m	0.606	ppbv	
8) Dichlorotetrafluoroethane	2.838	85	97837	0.593	ppbv	99
9) Propene	2.677	41	28308	0.521	ppbv	97
10) Heptane	7.568	43	47895	0.399	ppbv	95
11) Trichlorofluoromethane	3.542	101	101374	0.627	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.047	101	72245	0.634	ppbv	93
13) Ethanol	3.240	45	7915m	0.669	ppbv	
14) Bromoethene	3.346	108	28174	0.575	ppbv #	95
15) Acetone	3.465	43	80423	0.697	ppbv	93
16) 1,3-Butadiene	2.967	39	27659	0.475	ppbv	84
17) tert-Butyl alcohol	3.877	59	70941	0.595	ppbv	99
18) 1,1-Dichloroethene	3.861	96	29334	0.560	ppbv	90
19) Isopropyl Alcohol	3.575	45	41169	0.622	ppbv #	94
20) Methylene Chloride	3.915	84	29295	0.597	ppbv	94
21) Allyl Chloride	3.983	41	34789	0.528	ppbv	85
22) trans-1,2-Dichloroethene	4.433	96	29856m	0.578	ppbv	
23) Vinyl Acetate	4.613	43	54500	0.496	ppbv #	91
24) 1,1-Dichloroethane	4.546	63	68035	0.610	ppbv	98
25) Ethyl Acetate	5.198	43	110167	0.502	ppbv #	95
26) Hexane	5.202	57	52307m	0.513	ppbv	
27) Carbon Disulfide	4.108	76	60187	0.501	ppbv #	88
28) Methyl tert-Butyl Ether	4.584	73	46205	0.562	ppbv	99
29) Chloroform	5.263	83	94810	0.560	ppbv	89
30) Cyclohexane	6.587	84	29444	0.347	ppbv #	83
31) cis-1,2-Dichloroethene	5.060	61	47222	0.468	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	95340	0.576	ppbv	98
34) 2-Butanone	4.780	43	73151m	0.565	ppbv	
35) Carbon Tetrachloride	6.478	117	84477	0.536	ppbv	99
36) Benzene	6.356	78	103587	0.491	ppbv	99
37) 1,2-Dichloroethane	5.790	62	67401	0.543	ppbv	100
38) Trichloroethene	7.272	130	38950m	0.488	ppbv	
39) 1,2-Dichloropropane	7.063	63	39298m	0.484	ppbv	
40) 1,4-Dioxane	7.304	88	14345m	0.565	ppbv	
41) Tetrahydrofuran	5.568	42	30298	0.401	ppbv	95
42) Bromodichloromethane	7.237	83	86545	0.502	ppbv	99
43) Methyl Methacrylate	7.471	69	28816	0.365	ppbv	90
44) 2,2,4-Trimethylpentane	7.314	57	149835	0.442	ppbv #	89
45) t-1,3-Dichloropropene	8.700	75	17884m	0.353	ppbv	

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

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	22131m	0.341	ppbv	
47) 1,1,2-Trichloroethane	8.883	97	44894m	0.501	ppbv	
48) Dibromochloromethane	9.700	129	59275	0.428	ppbv	98
49) Bromoform	12.394	173	45724m	0.416	ppbv	
50) 4-Methyl-2-Pentanone	8.189	43	73519	0.391	ppbv	95
51) 2-Hexanone	9.565	43	41473m	0.312	ppbv	
52) Tetrachloroethene	10.603	164	33683m	0.493	ppbv	
53) Toluene	9.205	91	82735m	0.361	ppbv	
54) 1,2-Dibromoethane	9.999	107	51261	0.460	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.504	131	58114m	0.567	ppbv	
57) Chlorobenzene	11.516	112	95047	0.533	ppbv	93
58) Ethyl Benzene	12.079	91	100799	0.351	ppbv	95
59) m/p-Xylene	12.356	91	217588m	0.849	ppbv	
60) o-Xylene	13.050	91	104954	0.430	ppbv	96
61) Styrene	12.889	104	29624	0.263	ppbv #	86
62) Isopropylbenzene	14.021	105	166778	0.456	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	92908	0.543	ppbv	95
64) n-propylbenzene	14.912	120	39384m	0.416	ppbv	
65) tert-Butylbenzene	16.085	119	146953m	0.454	ppbv	
66) Benzyl Chloride	16.333	91	12797m	0.558	ppbv	
67) sec-Butylbenzene	16.629	105	223254	0.469	ppbv	97
69) p-Isopropyltoluene	16.992	119	162880	0.414	ppbv	94
70) n-Butylbenzene	17.883	91	184057	0.420	ppbv	97
71) 2-Chlorotoluene	14.793	91	115210	0.408	ppbv	99
72) 4-Ethyltoluene	15.188	105	112392	0.393	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.346	105	108034m	0.428	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	139496m	0.474	ppbv	
75) 1,3-Dichlorobenzene	16.320	146	81778	0.459	ppbv	87
76) 1,4-Dichlorobenzene	16.471	146	85116m	0.487	ppbv	
77) 1,2-Dichlorobenzene	17.134	146	87482m	0.513	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	82534m	0.515	ppbv	
79) Naphthalene	21.381	128	81202m	0.326	ppbv	
80) Naphthalene,2-methyl-	24.371	142	11821m	0.115	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	70598m	0.412	ppbv	

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

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