

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040746.D
 Acq On : 4 Oct 2023 18:53
 Operator : SY/MD
 Sample : 04699-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

Quant Time: Oct 05 04:28:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

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

Internal Standards						
1) Bromochloromethane	5.188	49	833755	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2266385	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	1881357	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1469473	10.109	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.742	85	118696	0.646	ppbv	96
3) Chlorodifluoromethane	2.690	51	81680	0.601	ppbv	100
4) Chloromethane	2.828	50	30108	0.579	ppbv	95
5) Vinyl Chloride	2.931	62	27730	0.451	ppbv #	83
6) Bromomethane	3.131	94	15708	0.530	ppbv	96
7) Chloroethane	3.208	64	12199	0.578	ppbv	92
8) Dichlorotetrafluoroethane	2.867	85	94361	0.622	ppbv	97
9) Propene	2.713	41	20238	0.517	ppbv	99
10) Heptane	7.571	43	37139	0.421	ppbv	95
11) Trichlorofluoromethane	3.568	101	94201	0.583	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	67963	0.588	ppbv	100
13) Ethanol	3.269	45	6993m	0.604	ppbv	
14) Bromoethene	3.378	108	26439	0.546	ppbv #	96
15) Acetone	3.491	43	71733	0.652	ppbv #	88
16) 1,3-Butadiene	2.996	39	24722m	0.516	ppbv	
17) tert-Butyl alcohol	3.902	59	47284	0.420	ppbv #	93
18) 1,1-Dichloroethene	3.883	96	28006	0.545	ppbv	85
19) Isopropyl Alcohol	3.603	45	31651m	0.478	ppbv	
20) Methylene Chloride	3.934	84	38609	0.652	ppbv	92
21) Allyl Chloride	4.002	41	32367	0.480	ppbv	85
22) trans-1,2-Dichloroethene	4.442	96	29078m	0.573	ppbv	
23) Vinyl Acetate	4.635	43	62479	0.549	ppbv #	92
24) 1,1-Dichloroethane	4.565	63	60639	0.570	ppbv	100
25) Ethyl Acetate	5.208	43	86123	0.486	ppbv	97
26) Hexane	5.208	57	43591m	0.520	ppbv	
27) Carbon Disulfide	4.127	76	53933	0.461	ppbv #	79
28) Methyl tert-Butyl Ether	4.597	73	40106	0.556	ppbv	98
29) Chloroform	5.272	83	79519	0.549	ppbv	87
30) Cyclohexane	6.590	84	23600m	0.374	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	36500	0.469	ppbv	94
32) 1,1,1-Trichloroethane	5.995	97	75199	0.508	ppbv	94
34) 2-Butanone	4.803	43	57162m	0.502	ppbv	
35) Carbon Tetrachloride	6.481	117	81459m	0.523	ppbv	
36) Benzene	6.359	78	68275	0.407	ppbv	97
37) 1,2-Dichloroethane	5.803	62	55792	0.486	ppbv	100
38) Trichloroethene	7.278	130	29750m	0.465	ppbv	
39) 1,2-Dichloropropane	7.063	63	30716m	0.475	ppbv	
40) 1,4-Dioxane	7.323	88	9103m	0.373	ppbv	
41) Tetrahydrofuran	5.581	42	24420m	0.418	ppbv	
42) Bromodichloromethane	7.240	83	69874	0.446	ppbv	93
43) Methyl Methacrylate	7.471	69	23233m	0.372	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	109994	0.412	ppbv #	88
45) t-1,3-Dichloropropene	8.703	75	16800m	0.347	ppbv	

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

QLast Update : Tue Sep 19 05:12:43 2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	23067m	0.390	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	34344	0.463	ppbv #	87
48) Dibromochloromethane	9.693	129	52525m	0.429	ppbv	
49) Bromoform	12.391	173	39354	0.392	ppbv	92
50) 4-Methyl-2-Pentanone	8.195	43	52528	0.341	ppbv	96
51) 2-Hexanone	9.561	43	35624m	0.335	ppbv	
52) Tetrachloroethene	10.600	164	26390m	0.482	ppbv	
53) Toluene	9.208	91	63602m	0.359	ppbv	
54) 1,2-Dibromoethane	9.995	107	42437	0.448	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.490	131	48853	0.545	ppbv #	1
57) Chlorobenzene	11.510	112	77865m	0.547	ppbv	
58) Ethyl Benzene	12.076	91	76585	0.357	ppbv	97
59) m/p-Xylene	12.359	91	170118m	0.845	ppbv	
60) o-Xylene	13.043	91	73535	0.383	ppbv	96
61) Styrene	12.883	104	24379m	0.303	ppbv	
62) Isopropylbenzene	14.011	105	125358	0.432	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	76472	0.508	ppbv	92
64) n-propylbenzene	14.902	120	29190m	0.403	ppbv	
65) tert-Butylbenzene	16.079	119	118289m	0.454	ppbv	
66) Benzyl Chloride	16.317	91	14496m	0.477	ppbv	
67) sec-Butylbenzene	16.622	105	147959	0.397	ppbv	97
69) p-Isopropyltoluene	16.985	119	114937	0.392	ppbv	95
70) n-Butylbenzene	17.876	91	128946m	0.400	ppbv	
71) 2-Chlorotoluene	14.786	91	84539m	0.394	ppbv	
72) 4-Ethyltoluene	15.178	105	80341m	0.373	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	74051	0.382	ppbv	90
74) 1,2,4-Trimethylbenzene	16.092	105	100977	0.427	ppbv #	85
75) 1,3-Dichlorobenzene	16.320	146	63703m	0.473	ppbv	
76) 1,4-Dichlorobenzene	16.452	146	63313m	0.478	ppbv	
77) 1,2-Dichlorobenzene	17.130	146	67171m	0.501	ppbv	
78) Hexachloro-1,3-Butadiene	22.615	225	56030m	0.552	ppbv	
79) Naphthalene	21.374	128	46355m	0.315	ppbv	
80) Naphthalene,2-methyl-	24.381	142	5153m	0.143	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	36230m	0.377	ppbv	

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

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