

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040745.D
 Acq On : 4 Oct 2023 18:13
 Operator : SY/MD
 Sample : 04699-14 LOQ 5 PPB
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023

Quant Time: Oct 05 04:28:16 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	5.185	49	836223	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2345529	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	1973714	10.000	ppbv	-0.03

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.757 95 1581061 10.368 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.742	85	126904	0.689	ppbv	95
3) Chlorodifluoromethane	2.687	51	90104	0.661	ppbv	96
4) Chloromethane	2.825	50	34695	0.665	ppbv	95
5) Vinyl Chloride	2.931	62	31817	0.516	ppbv	98
6) Bromomethane	3.124	94	20906m	0.703	ppbv	
7) Chloroethane	3.205	64	13257	0.626	ppbv #	85
8) Dichlorotetrafluoroethane	2.867	85	97310	0.640	ppbv	98
9) Propene	2.710	41	22527	0.574	ppbv	91
10) Heptane	7.571	43	45974	0.520	ppbv	92
11) Trichlorofluoromethane	3.568	101	106655	0.658	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	72475	0.626	ppbv	94
13) Ethanol	3.263	45	7809m	0.672	ppbv	
14) Bromoethene	3.375	108	28286	0.582	ppbv	89
15) Acetone	3.488	43	79491	0.721	ppbv #	86
16) 1,3-Butadiene	2.996	39	29768m	0.619	ppbv	
17) tert-Butyl alcohol	3.896	59	61045	0.540	ppbv	98
18) 1,1-Dichloroethene	3.886	96	30528	0.593	ppbv	88
19) Isopropyl Alcohol	3.603	45	36116m	0.543	ppbv	
20) Methylene Chloride	3.935	84	44245	0.745	ppbv	96
21) Allyl Chloride	4.002	41	40489	0.599	ppbv #	86
22) trans-1,2-Dichloroethene	4.446	96	30659	0.602	ppbv	84
23) Vinyl Acetate	4.632	43	60781	0.533	ppbv #	90
24) 1,1-Dichloroethane	4.562	63	69300	0.649	ppbv #	96
25) Ethyl Acetate	5.211	43	101356	0.570	ppbv #	97
26) Hexane	5.208	57	51666m	0.614	ppbv	
27) Carbon Disulfide	4.128	76	61918	0.528	ppbv #	80
28) Methyl tert-Butyl Ether	4.600	73	44265m	0.612	ppbv	
29) Chloroform	5.269	83	94393	0.650	ppbv	97
30) Cyclohexane	6.590	84	25948m	0.410	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	43900	0.563	ppbv	93
32) 1,1,1-Trichloroethane	5.992	97	90157m	0.607	ppbv	
34) 2-Butanone	4.803	43	67950m	0.576	ppbv	
35) Carbon Tetrachloride	6.488	117	90691	0.563	ppbv #	83
36) Benzene	6.365	78	88415	0.509	ppbv	96
37) 1,2-Dichloroethane	5.800	62	64367	0.541	ppbv #	95
38) Trichloroethene	7.279	130	36118m	0.545	ppbv	
39) 1,2-Dichloropropane	7.066	63	31859	0.477	ppbv #	88
40) 1,4-Dioxane	7.314	88	9829m	0.389	ppbv	
41) Tetrahydrofuran	5.574	42	27383m	0.453	ppbv	
42) Bromodichloromethane	7.237	83	85532	0.527	ppbv	99
43) Methyl Methacrylate	7.478	69	27076m	0.419	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	129920	0.470	ppbv #	90
45) t-1,3-Dichloropropene	8.697	75	19742m	0.394	ppbv	

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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	8.131	75	24632m	0.402	ppbv	
47) 1,1,2-Trichloroethane	8.880	97	41164m	0.537	ppbv	
48) Dibromochloromethane	9.696	129	61477m	0.486	ppbv	
49) Bromoform	12.388	173	45474	0.437	ppbv	93
50) 4-Methyl-2-Pentanone	8.195	43	73827m	0.463	ppbv	
51) 2-Hexanone	9.561	43	42679m	0.388	ppbv	
52) Tetrachloroethene	10.600	164	30858m	0.545	ppbv	
53) Toluene	9.211	91	75498m	0.412	ppbv	
54) 1,2-Dibromoethane	9.995	107	47370	0.484	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.487	131	56293m	0.598	ppbv	
57) Chlorobenzene	11.510	112	87913	0.588	ppbv	94
58) Ethyl Benzene	12.073	91	89834	0.399	ppbv	93
59) m/p-Xylene	12.352	91	195168m	0.924	ppbv	
60) o-Xylene	13.044	91	92818m	0.461	ppbv	
61) Styrene	12.883	104	27452m	0.325	ppbv	
62) Isopropylbenzene	14.011	105	156698	0.515	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	92600	0.586	ppbv	95
64) n-propylbenzene	14.899	120	37235m	0.489	ppbv	
65) tert-Butylbenzene	16.076	119	136019m	0.498	ppbv	
66) Benzyl Chloride	16.317	91	15711m	0.493	ppbv	
67) sec-Butylbenzene	16.619	105	194154	0.497	ppbv	97
69) p-Isopropyltoluene	16.986	119	137289	0.447	ppbv	95
70) n-Butylbenzene	17.873	91	152429	0.451	ppbv	98
71) 2-Chlorotoluene	14.783	91	104108	0.462	ppbv	98
72) 4-Ethyltoluene	15.179	105	91474	0.405	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.339	105	90807m	0.446	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	117685	0.474	ppbv	89
75) 1,3-Dichlorobenzene	16.323	146	78350m	0.554	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	72108m	0.519	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	73710	0.524	ppbv	91
78) Hexachloro-1,3-Butadiene	22.609	225	63222m	0.594	ppbv	
79) Naphthalene	21.374	128	56431m	0.366	ppbv	
80) Naphthalene,2-methyl-	24.368	142	3459	0.091	ppbv #	69
81) 1,2,4-Trichlorobenzene	21.130	180	40642m	0.403	ppbv	

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

Manual Integrations

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