

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041457.D
 Acq On : 31 Jul 2024 10:54
 Operator : SY/MD
 Sample : P3390-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2024

Quant Time: Aug 01 03:52:51 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 03:52:51 2024

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

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

Internal Standards						
1) Bromochloromethane	5.195	49	978040	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2740064	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2548367	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2002089 10.209 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	106844	0.635	ppbv	96
3) Chlorodifluoromethane	2.677	51	67151	0.577	ppbv	100
4) Chloromethane	2.816	50	33786	0.546	ppbv	95
5) Vinyl Chloride	2.922	62	30625	0.502	ppbv #	87
6) Bromomethane	3.121	94	17010	0.542	ppbv	96
7) Chloroethane	3.201	64	11501	0.546	ppbv #	86
8) Dichlorotetrafluoroethane	2.861	85	84591	0.567	ppbv	97
9) Propene	2.700	41	29472	0.551	ppbv	99
10) Heptane	7.587	43	58015m	0.483	ppbv	
11) Trichlorofluoromethane	3.565	101	77609	0.519	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	60200	0.559	ppbv	98
13) Ethanol	3.279	45	2722m	0.569	ppbv	
14) Bromoethene	3.372	108	21295	0.508	ppbv	94
15) Acetone	3.484	43	61573	0.554	ppbv #	87
16) 1,3-Butadiene	2.989	39	28349	0.477	ppbv	87
17) tert-Butyl alcohol	3.899	59	51191	0.505	ppbv	94
18) 1,1-Dichloroethene	3.883	96	25029	0.544	ppbv	95
19) Isopropyl Alcohol	3.594	45	31599	0.486	ppbv #	86
20) Methylene Chloride	3.938	84	24867	0.600	ppbv	98
21) Allyl Chloride	3.999	41	33007	0.453	ppbv #	84
22) trans-1,2-Dichloroethene	4.449	96	23263	0.505	ppbv	96
23) Vinyl Acetate	4.635	43	36518	0.430	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	53728	0.538	ppbv	98
25) Ethyl Acetate	5.214	43	109904	0.498	ppbv	97
26) Hexane	5.214	57	45674	0.499	ppbv	89
27) Carbon Disulfide	4.131	76	40824	0.381	ppbv #	76
28) Methyl tert-Butyl Ether	4.600	73	29334	0.508	ppbv	94
29) Chloroform	5.275	83	82107	0.550	ppbv	96
30) Cyclohexane	6.606	84	34385	0.461	ppbv	87
31) cis-1,2-Dichloroethene	5.082	61	37701	0.417	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	73923	0.508	ppbv	97
34) 2-Butanone	4.803	43	64599	0.487	ppbv	99
35) Carbon Tetrachloride	6.497	117	72282	0.478	ppbv	93
36) Benzene	6.378	78	98613m	0.493	ppbv	
37) 1,2-Dichloroethane	5.812	62	55951	0.499	ppbv	100
38) Trichloroethene	7.291	130	42581	0.464	ppbv	99
39) 1,2-Dichloropropane	7.073	63	39573	0.516	ppbv	90
40) 1,4-Dioxane	7.320	88	11121m	0.361	ppbv	
41) Tetrahydrofuran	5.584	42	35294	0.466	ppbv	93
42) Bromodichloromethane	7.246	83	75793	0.468	ppbv #	84
43) Methyl Methacrylate	7.481	69	30158	0.420	ppbv	95
44) 2,2,4-Trimethylpentane	7.330	57	161557m	0.483	ppbv	
45) t-1,3-Dichloropropene	8.712	75	23717m	0.359	ppbv	

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Quant Time: Aug 01 03:52:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Aug 01 02:36:30 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	32053	0.336	ppbv #	94
47) 1,1,2-Trichloroethane	8.899	97	42115	0.498	ppbv #	92
48) Dibromochloromethane	9.709	129	55526	0.408	ppbv	98
49) Bromoform	12.416	173	43360m	0.377	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	88623m	0.424	ppbv	
51) 2-Hexanone	9.584	43	63473m	0.401	ppbv	
52) Tetrachloroethene	10.616	164	36832	0.476	ppbv	98
53) Toluene	9.224	91	94287	0.423	ppbv	97
54) 1,2-Dibromoethane	10.011	107	54705	0.486	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.510	131	50027	0.506	ppbv #	1
57) Chlorobenzene	11.526	112	101240	0.558	ppbv #	94
58) Ethyl Benzene	12.092	91	126271	0.430	ppbv	96
59) m/p-Xylene	12.371	91	240714m	0.949	ppbv	
60) o-Xylene	13.063	91	110722	0.462	ppbv	100
61) Styrene	12.905	104	38148m	0.353	ppbv	
62) Isopropylbenzene	14.031	105	182545m	0.501	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.050	83	82646	0.546	ppbv	97
64) n-propylbenzene	14.918	120	42032	0.441	ppbv	68
65) tert-Butylbenzene	16.095	119	157777m	0.479	ppbv	
66) Benzyl Chloride	16.333	91	8796m	0.416	ppbv	
67) sec-Butylbenzene	16.641	105	218935	0.482	ppbv	99
69) p-Isopropyltoluene	17.001	119	164235	0.436	ppbv	95
70) n-Butylbenzene	17.895	91	174958	0.453	ppbv	96
71) 2-Chlorotoluene	14.802	91	124256	0.462	ppbv	98
72) 4-Ethyltoluene	15.198	105	119775	0.424	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.355	105	107738	0.443	ppbv	95
74) 1,2,4-Trimethylbenzene	16.111	105	136021	0.481	ppbv #	93
75) 1,3-Dichlorobenzene	16.339	146	84277	0.474	ppbv	93
76) 1,4-Dichlorobenzene	16.481	146	35274	0.205	ppbv #	8
77) 1,2-Dichlorobenzene	17.146	146	86198	0.489	ppbv	95
78) Hexachloro-1,3-Butadiene	22.631	225	81325	0.541	ppbv	97
79) Naphthalene	21.397	128	99161	0.397	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	29272	0.140	ppbv #	78
81) 1,2,4-Trichlorobenzene	21.152	180	43655	0.294	ppbv #	56

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

Manual Integrations

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 01 02:36:30 2024
Response via : Initial Calibration

