

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041496.D
 Acq On : 5 Aug 2024 11:05
 Operator : SY/MD
 Sample : P3390-15 0.45 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2024

Quant Time: Aug 06 02:12:07 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 09 12:33:25 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

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

Internal Standards						
1) Bromochloromethane	5.192	49	1077173	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2979247	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2727370	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2134379 10.169 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	91818	0.495	ppbv	99
3) Chlorodifluoromethane	2.684	51	59766	0.466	ppbv	99
4) Chloromethane	2.819	50	32544	0.477	ppbv	89
5) Vinyl Chloride	2.928	62	26329	0.392	ppbv	96
6) Bromomethane	3.124	94	16240	0.470	ppbv	91
7) Chloroethane	3.205	64	9855	0.425	ppbv #	87
8) Dichlorotetrafluoroethane	2.861	85	74657	0.455	ppbv	100
9) Propene	2.703	41	24287	0.412	ppbv	84
10) Heptane	7.581	43	48474	0.366	ppbv	94
11) Trichlorofluoromethane	3.565	101	75034	0.456	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.070	101	52537	0.443	ppbv	97
13) Ethanol	3.266	45	2888m	0.549	ppbv	
14) Bromoethene	3.369	108	19265	0.417	ppbv #	91
15) Acetone	3.488	43	62706	0.512	ppbv	98
16) 1,3-Butadiene	2.993	39	22142	0.339	ppbv #	74
17) tert-Butyl alcohol	3.903	59	44136	0.395	ppbv	95
18) 1,1-Dichloroethene	3.886	96	24153	0.476	ppbv	85
19) Isopropyl Alcohol	3.597	45	26195	0.366	ppbv #	87
20) Methylene Chloride	3.935	84	21226	0.465	ppbv #	82
21) Allyl Chloride	3.999	41	30796	0.384	ppbv	86
22) trans-1,2-Dichloroethene	4.449	96	21628m	0.427	ppbv	
23) Vinyl Acetate	4.632	43	34297m	0.367	ppbv	
24) 1,1-Dichloroethane	4.565	63	47877	0.435	ppbv	98
25) Ethyl Acetate	5.214	43	98865	0.407	ppbv	98
26) Hexane	5.214	57	38376	0.380	ppbv	82
27) Carbon Disulfide	4.128	76	36484	0.309	ppbv #	79
28) Methyl tert-Butyl Ether	4.603	73	27246	0.428	ppbv	98
29) Chloroform	5.272	83	74367	0.452	ppbv	94
30) Cyclohexane	6.603	84	27820m	0.339	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	38456	0.386	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	67525	0.422	ppbv	98
34) 2-Butanone	4.803	43	56732	0.394	ppbv	99
35) Carbon Tetrachloride	6.494	117	66810	0.407	ppbv	98
36) Benzene	6.369	78	83481	0.383	ppbv	97
37) 1,2-Dichloroethane	5.806	62	50533	0.415	ppbv	99
38) Trichloroethene	7.288	130	39790m	0.399	ppbv	
39) 1,2-Dichloropropane	7.070	63	33371	0.400	ppbv	88
40) 1,4-Dioxane	7.320	88	10652m	0.318	ppbv	
41) Tetrahydrofuran	5.581	42	26578	0.322	ppbv	94
42) Bromodichloromethane	7.246	83	67982	0.386	ppbv #	98
43) Methyl Methacrylate	7.488	69	25632m	0.328	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	135868	0.374	ppbv #	89
45) t-1,3-Dichloropropene	8.706	75	18567m	0.258	ppbv	

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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 : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	31686m	0.305	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	37213	0.405	ppbv	90
48) Dibromochloromethane	9.700	129	52034m	0.352	ppbv	
49) Bromoform	12.401	173	41222m	0.330	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	77159	0.339	ppbv	98
51) 2-Hexanone	9.568	43	53606m	0.312	ppbv	
52) Tetrachloroethene	10.610	164	33686	0.400	ppbv	96
53) Toluene	9.221	91	78413	0.323	ppbv	98
54) 1,2-Dibromoethane	10.005	107	47660	0.390	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.504	131	47813m	0.452	ppbv	
57) Chlorobenzene	11.516	112	85828	0.442	ppbv #	89
58) Ethyl Benzene	12.089	91	110006	0.350	ppbv	96
59) m/p-Xylene	12.368	91	207243m	0.764	ppbv	
60) o-Xylene	13.053	91	91506	0.356	ppbv	97
61) Styrene	12.889	104	32726m	0.283	ppbv	
62) Isopropylbenzene	14.021	105	154409m	0.396	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	74589m	0.460	ppbv	
64) n-propylbenzene	14.909	120	38424m	0.377	ppbv	
65) tert-Butylbenzene	16.092	119	131089	0.372	ppbv	93
66) Benzyl Chloride	16.323	91	9275m	0.410	ppbv	
67) sec-Butylbenzene	16.632	105	184979	0.381	ppbv	100
69) p-Isopropyltoluene	16.995	119	140993m	0.350	ppbv	
70) n-Butylbenzene	17.889	91	148388m	0.359	ppbv	
71) 2-Chlorotoluene	14.796	91	106763	0.371	ppbv	97
72) 4-Ethyltoluene	15.191	105	101203	0.335	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.349	105	90701	0.348	ppbv	87
74) 1,2,4-Trimethylbenzene	16.105	105	120984	0.400	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	76620	0.403	ppbv	95
76) 1,4-Dichlorobenzene	16.474	146	70868	0.385	ppbv	92
77) 1,2-Dichlorobenzene	17.140	146	74674	0.396	ppbv	93
78) Hexachloro-1,3-Butadiene	22.635	225	75145	0.467	ppbv	99
79) Naphthalene	21.394	128	73250m	0.274	ppbv	
80) Naphthalene,2-methyl-	24.378	142	27070m	0.121	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	52150m	0.328	ppbv	

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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