

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041474.D
 Acq On : 1 Aug 2024 11:58
 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 02 05:21:04 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 : Fri Aug 02 03:13:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/02/2024
 Supervised By : Mahesh Dadoda 08/03/2024

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

Internal Standards						
1) Bromochloromethane	5.189	49	866647	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2432361	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2284853	10.000	ppbv	# 0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.773 95 1814752 10.321 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.845	85	70189m	0.471	ppbv	
3) Chlorodifluoromethane	2.661	51	34875	0.338	ppbv	99
4) Chloromethane	2.806	50	28777	0.524	ppbv	91
5) Vinyl Chloride	2.915	62	24545	0.454	ppbv	93
6) Bromomethane	3.115	94	14294	0.514	ppbv	# 81
7) Chloroethane	3.192	64	8697m	0.466	ppbv	
8) Dichlorotetrafluoroethane	2.845	85	67166	0.508	ppbv	98
9) Propene	2.684	41	4609m	0.097	ppbv	
10) Heptane	7.574	43	45181m	0.424	ppbv	
11) Trichlorofluoromethane	3.552	101	66057	0.499	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.060	101	50038	0.525	ppbv	95
13) Ethanol	3.256	45	1735m	0.410	ppbv	
14) Bromoethene	3.362	108	15333	0.413	ppbv	# 85
15) Acetone	3.484	43	46934	0.477	ppbv	# 85
16) 1,3-Butadiene	2.976	39	24574	0.467	ppbv	98
17) tert-Butyl alcohol	3.893	59	39394	0.439	ppbv	# 93
18) 1,1-Dichloroethene	3.870	96	20725m	0.508	ppbv	
19) Isopropyl Alcohol	3.591	45	23454m	0.407	ppbv	
20) Methylene Chloride	3.931	84	19342	0.527	ppbv	87
21) Allyl Chloride	3.989	41	28834	0.447	ppbv	87
22) trans-1,2-Dichloroethene	4.446	96	20121	0.493	ppbv	94
23) Vinyl Acetate	4.635	43	33783	0.449	ppbv	# 92
24) 1,1-Dichloroethane	4.555	63	46121	0.521	ppbv	98
25) Ethyl Acetate	5.211	43	88009	0.450	ppbv	# 97
26) Hexane	5.201	57	35900m	0.442	ppbv	
27) Carbon Disulfide	4.121	76	36059m	0.380	ppbv	
28) Methyl tert-Butyl Ether	4.594	73	24285	0.475	ppbv	96
29) Chloroform	5.269	83	67065	0.507	ppbv	95
30) Cyclohexane	6.600	84	32365m	0.490	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	37837	0.472	ppbv	93
32) 1,1,1-Trichloroethane	5.999	97	60022	0.466	ppbv	96
34) 2-Butanone	4.799	43	52208	0.444	ppbv	97
35) Carbon Tetrachloride	6.487	117	59112	0.441	ppbv	90
36) Benzene	6.365	78	77478	0.436	ppbv	98
37) 1,2-Dichloroethane	5.806	62	45981	0.462	ppbv	99
38) Trichloroethene	7.291	130	36809	0.452	ppbv	# 91
39) 1,2-Dichloropropane	7.076	63	33579m	0.493	ppbv	
40) 1,4-Dioxane	7.314	88	10028m	0.367	ppbv	
41) Tetrahydrofuran	5.571	42	28772m	0.428	ppbv	
42) Bromodichloromethane	7.246	83	61981	0.432	ppbv	91
43) Methyl Methacrylate	7.475	69	23345m	0.366	ppbv	
44) 2,2,4-Trimethylpentane	7.323	57	125213	0.422	ppbv	# 88
45) t-1,3-Dichloropropene	8.716	75	19297m	0.329	ppbv	

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	28523	0.337	ppbv	87
47) 1,1,2-Trichloroethane	8.886	97	39128m	0.522	ppbv	
48) Dibromochloromethane	9.709	129	46139	0.382	ppbv	99
49) Bromoform	12.400	173	36765m	0.360	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	76911m	0.414	ppbv	
51) 2-Hexanone	9.574	43	52577m	0.375	ppbv	
52) Tetrachloroethene	10.613	164	28759	0.419	ppbv	92
53) Toluene	9.217	91	71167	0.359	ppbv	100
54) 1,2-Dibromoethane	10.011	107	44863m	0.449	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.500	131	43691m	0.493	ppbv	
57) Chlorobenzene	11.523	112	83888	0.516	ppbv #	86
58) Ethyl Benzene	12.089	91	96486m	0.366	ppbv	
59) m/p-Xylene	12.368	91	188391m	0.829	ppbv	
60) o-Xylene	13.056	91	84166	0.391	ppbv	96
61) Styrene	12.889	104	29678m	0.306	ppbv	
62) Isopropylbenzene	14.031	105	145679	0.446	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	72751	0.536	ppbv	98
64) n-propylbenzene	14.912	120	35489	0.415	ppbv	80
65) tert-Butylbenzene	16.088	119	128474m	0.435	ppbv	
66) Benzyl Chloride	16.336	91	7852m	0.415	ppbv	
67) sec-Butylbenzene	16.638	105	188956	0.464	ppbv	98
69) p-Isopropyltoluene	16.998	119	141642m	0.420	ppbv	
70) n-Butylbenzene	17.889	91	140888	0.407	ppbv	98
71) 2-Chlorotoluene	14.799	91	96357	0.400	ppbv	98
72) 4-Ethyltoluene	15.188	105	98424	0.389	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.352	105	92982m	0.426	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	115382	0.455	ppbv	93
75) 1,3-Dichlorobenzene	16.330	146	76646	0.481	ppbv	98
76) 1,4-Dichlorobenzene	16.477	146	79521m	0.515	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	84095m	0.532	ppbv	
78) Hexachloro-1,3-Butadiene	22.632	225	74596m	0.554	ppbv	
79) Naphthalene	21.387	128	81280m	0.363	ppbv	
80) Naphthalene,2-methyl-	24.381	142	42373m	0.226	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	58897m	0.442	ppbv	

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

