

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041667.D
 Acq On : 14 Oct 2024 14:20
 Operator : SY/MD
 Sample : P4368-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Quant Time: Oct 15 02:41:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

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

Internal Standards						
1) Bromochloromethane	5.201	49	975237	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.668	114	2659806	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.487	117	2399007	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 1841091 10.425 ppbv 0.05
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	95685	0.679	ppbv	97
3) Chlorodifluoromethane	2.671	51	58915	0.498	ppbv	99
4) Chloromethane	2.812	50	33399	0.513	ppbv	91
5) Vinyl Chloride	2.922	62	26656	0.473	ppbv	98
6) Bromomethane	3.121	94	13395	0.478	ppbv	92
7) Chloroethane	3.198	64	10295	0.470	ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	75184	0.509	ppbv	97
9) Propene	2.690	41	21246m	0.426	ppbv	
10) Heptane	7.603	43	38025	0.325	ppbv	94
11) Trichlorofluoromethane	3.565	101	70113	0.468	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	52167	0.481	ppbv	98
13) Ethanol	3.266	45	1251m	0.334	ppbv	
14) Bromoethene	3.365	108	19435m	0.472	ppbv	
15) Acetone	3.491	43	67381	0.550	ppbv	93
16) 1,3-Butadiene	2.986	39	27219m	0.457	ppbv	
17) tert-Butyl alcohol	3.902	59	34364m	0.319	ppbv	
18) 1,1-Dichloroethene	3.886	96	22121	0.481	ppbv	96
19) Isopropyl Alcohol	3.603	45	15925m	0.254	ppbv	
20) Methylene Chloride	3.938	84	24470m	0.532	ppbv	
21) Allyl Chloride	3.999	41	33903m	0.478	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	20604	0.449	ppbv	96
23) Vinyl Acetate	4.645	43	29488m	0.438	ppbv	
24) 1,1-Dichloroethane	4.565	63	48215	0.477	ppbv #	94
25) Ethyl Acetate	5.227	43	88531	0.403	ppbv	97
26) Hexane	5.224	57	31383	0.342	ppbv #	65
27) Carbon Disulfide	4.131	76	38474m	0.395	ppbv	
28) Methyl tert-Butyl Ether	4.607	73	23956m	0.424	ppbv	
29) Chloroform	5.282	83	75369m	0.502	ppbv	
30) Cyclohexane	6.616	84	27412m	0.388	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	32123m	0.369	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	62264	0.466	ppbv	93
34) 2-Butanone	4.819	43	54138m	0.427	ppbv	
35) Carbon Tetrachloride	6.507	117	66232	0.508	ppbv	94
36) Benzene	6.381	78	70348m	0.381	ppbv	
37) 1,2-Dichloroethane	5.816	62	47602	0.444	ppbv	98
38) Trichloroethene	7.307	130	36997m	0.389	ppbv	
39) 1,2-Dichloropropane	7.086	63	33355m	0.444	ppbv	
40) 1,4-Dioxane	7.356	88	3390m	0.120	ppbv	
41) Tetrahydrofuran	5.600	42	21765m	0.312	ppbv	
42) Bromodichloromethane	7.266	83	65166	0.437	ppbv #	98
43) Methyl Methacrylate	7.500	69	18574	0.281	ppbv	95
44) 2,2,4-Trimethylpentane	7.346	57	110474	0.346	ppbv #	83
45) t-1,3-Dichloropropene	8.732	75	15230m	0.286	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	23099m	0.296	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	36970m	0.463	ppbv	
48) Dibromochloromethane	9.735	129	47565	0.393	ppbv	98
49) Bromoform	12.426	173	37692m	0.363	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	64917m	0.331	ppbv	
51) 2-Hexanone	9.600	43	40399m	0.273	ppbv	
52) Tetrachloroethene	10.638	164	25799m	0.386	ppbv	
53) Toluene	9.243	91	53576m	0.273	ppbv	
54) 1,2-Dibromoethane	10.028	107	39740m	0.404	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.532	131	46352m	0.495	ppbv	
57) Chlorobenzene	11.545	112	83930	0.485	ppbv #	89
58) Ethyl Benzene	12.114	91	73346	0.286	ppbv	97
59) m/p-Xylene	12.394	91	149797m	0.655	ppbv	
60) o-Xylene	13.082	91	67664m	0.309	ppbv	
61) Styrene	12.918	104	20831m	0.228	ppbv	
62) Isopropylbenzene	14.050	105	126366m	0.381	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.076	83	56369m	0.503	ppbv	
64) n-propylbenzene	14.937	120	29195m	0.340	ppbv	
65) tert-Butylbenzene	16.121	119	107065m	0.352	ppbv	
66) Benzyl Chloride	16.352	91	7384m	0.467	ppbv	
67) sec-Butylbenzene	16.664	105	151897	0.360	ppbv	99
69) p-Isopropyltoluene	17.024	119	108806m	0.318	ppbv	
70) n-Butylbenzene	17.918	91	110127m	0.308	ppbv	
71) 2-Chlorotoluene	14.828	91	81263m	0.333	ppbv	
72) 4-Ethyltoluene	15.217	105	74731	0.292	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.381	105	71282m	0.315	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	93802	0.354	ppbv	96
75) 1,3-Dichlorobenzene	16.358	146	66710m	0.402	ppbv	
76) 1,4-Dichlorobenzene	16.500	146	69755m	0.439	ppbv	
77) 1,2-Dichlorobenzene	17.169	146	68440	0.418	ppbv	96
78) Hexachloro-1,3-Butadiene	22.657	225	62819m	0.465	ppbv	
79) Naphthalene	21.429	128	36610m	0.188	ppbv	
80) Naphthalene,2-methyl-	24.487	142	7095m	0.052	ppbv	
81) 1,2,4-Trichlorobenzene	21.181	180	28375m	0.229	ppbv	

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

Manual Integrations

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