

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040135.D
 Acq On : 30 Jan 2023 16:31
 Operator : SY/MD
 Sample : N4955-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2022

Quant Time: Jan 31 05:28:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/31/2023
 Supervised By : Mahesh Dadoda 01/31/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	823454	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2152959	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	1915754	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1562241	9.812	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	17848	0.124	ppbv	92
3) Chlorodifluoromethane	2.658	51	11339	0.115	ppbv	95
4) Chloromethane	2.800	50	7231m	0.118	ppbv	
5) Vinyl Chloride	2.906	62	4838m	0.093	ppbv	
6) Bromomethane	3.105	94	2020m	0.107	ppbv	
7) Chloroethane	3.185	64	2052m	0.104	ppbv	
8) Dichlorotetrafluoroethane	2.838	85	14017	0.104	ppbv	97
9) Propene	2.687	41	4682m	0.114	ppbv	
10) Heptane	7.574	43	7402m	0.078	ppbv	
11) Trichlorofluoromethane	3.549	101	13811	0.096	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.057	101	10051	0.093	ppbv #	82
14) Bromoethene	3.359	108	4107m	0.102	ppbv	
15) Acetone	3.481	43	13437m	0.136	ppbv	
16) 1,3-Butadiene	2.967	39	4468	0.097	ppbv	92
17) tert-Butyl alcohol	3.909	59	8867m	0.096	ppbv	
18) 1,1-Dichloroethene	3.864	96	5060m	0.108	ppbv	
19) Isopropyl Alcohol	3.594	45	4771m	0.099	ppbv	
20) Methylene Chloride	3.919	84	8929	0.205	ppbv #	86
21) Allyl Chloride	3.980	41	7021m	0.111	ppbv	
22) trans-1,2-Dichloroethene	4.433	96	4754m	0.099	ppbv	
24) 1,1-Dichloroethane	4.555	63	10133m	0.105	ppbv	
25) Ethyl Acetate	5.205	43	18091m	0.104	ppbv	
26) Hexane	5.205	57	7980m	0.105	ppbv	
27) Carbon Disulfide	4.108	76	7383m	0.075	ppbv	
28) Methyl tert-Butyl Ether	4.597	73	8856m	0.103	ppbv	
29) Chloroform	5.259	83	14508m	0.119	ppbv	
30) Cyclohexane	6.600	84	5442m	0.090	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	7406m	0.100	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	12189m	0.099	ppbv	
34) 2-Butanone	4.803	43	11659m	0.114	ppbv	
35) Carbon Tetrachloride	6.491	117	11980m	0.098	ppbv	
36) Benzene	6.365	78	14036m	0.088	ppbv	
37) 1,2-Dichloroethane	5.803	62	9894m	0.097	ppbv	
38) Trichloroethene	7.285	130	8280m	0.092	ppbv	
39) 1,2-Dichloropropane	7.066	63	7181m	0.115	ppbv	
40) 1,4-Dioxane	7.346	88	2118m	0.086	ppbv	
41) Tetrahydrofuran	5.591	42	4891m	0.083	ppbv	
42) Bromodichloromethane	7.237	83	11482m	0.083	ppbv	
43) Methyl Methacrylate	7.481	69	4974m	0.085	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	21936m	0.083	ppbv	
45) t-1,3-Dichloropropene	8.709	75	3408m	0.065	ppbv	
46) cis-1,3-Dichloropropene	8.134	75	5784m	0.081	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	6502m	0.099	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	9.703	129	8158m	0.077	ppbv	
49) Bromoform	12.404	173	5643m	0.069	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	12466m	0.078	ppbv	
51) 2-Hexanone	9.594	43	8130m	0.067	ppbv	
52) Tetrachloroethene	10.610	164	5417m	0.104	ppbv	
53) Toluene	9.217	91	12271m	0.072	ppbv	
54) 1,2-Dibromoethane	9.999	107	5657m	0.082	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	7450m	0.100	ppbv	
57) Chlorobenzene	11.526	112	13701m	0.105	ppbv	
58) Ethyl Benzene	12.079	91	15940m	0.075	ppbv	
59) m/p-Xylene	12.368	91	23615m	0.123	ppbv	
60) o-Xylene	13.056	91	10755m	0.059	ppbv	
61) Styrene	12.889	104	5252m	0.055	ppbv	
62) Isopropylbenzene	14.031	105	21015m	0.080	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	6436m	0.097	ppbv	
64) n-propylbenzene	14.921	120	4196m	0.064	ppbv	
65) tert-Butylbenzene	16.092	119	12955m	0.058	ppbv	
66) Benzyl Chloride	16.346	91	1228m	0.080	ppbv	
67) sec-Butylbenzene	16.632	105	19974m	0.063	ppbv	
69) p-Isopropyltoluene	16.989	119	13994m	0.056	ppbv	
70) n-Butylbenzene	17.895	91	15812m	0.059	ppbv	
71) 2-Chlorotoluene	14.793	91	15108m	0.075	ppbv	
72) 4-Ethyltoluene	15.188	105	12446m	0.061	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	11189m	0.061	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	11792m	0.058	ppbv	
75) 1,3-Dichlorobenzene	16.333	146	9657m	0.086	ppbv	
76) 1,4-Dichlorobenzene	16.481	146	9264m	0.084	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	8834m	0.082	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	8290m	0.106	ppbv	
79) Naphthalene	21.394	128	5485m	0.047	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	3681m	0.052	ppbv	

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

