

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040134.D
 Acq On : 30 Jan 2023 15:54
 Operator : SY/MD
 Sample : N4955-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jan 31 05:27:34 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	5.179	49	857804	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2212269	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	1987336	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1635160	9.900	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	72144	0.480	ppbv	99
3) Chlorodifluoromethane	2.658	51	43947	0.427	ppbv	98
4) Chloromethane	2.796	50	29199	0.459	ppbv	100
5) Vinyl Chloride	2.906	62	20675	0.383	ppbv	99
6) Bromomethane	3.102	94	7945m	0.404	ppbv	
7) Chloroethane	3.182	64	7686	0.373	ppbv	93
8) Dichlorotetrafluoroethane	2.838	85	59770	0.426	ppbv	97
9) Propene	2.677	41	17741	0.415	ppbv	91
10) Heptane	7.565	43	33354	0.339	ppbv	96
11) Trichlorofluoromethane	3.545	101	59313	0.395	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.050	101	42729	0.379	ppbv	93
13) Ethanol	3.250	45	1702m	0.433	ppbv	
14) Bromoethene	3.349	108	15312	0.366	ppbv #	95
15) Acetone	3.472	43	46202	0.449	ppbv	90
16) 1,3-Butadiene	2.970	39	20701m	0.432	ppbv	
17) tert-Butyl alcohol	3.886	59	38061	0.397	ppbv	97
18) 1,1-Dichloroethene	3.864	96	19850m	0.405	ppbv	
19) Isopropyl Alcohol	3.584	45	20137	0.400	ppbv #	95
20) Methylene Chloride	3.922	84	20058	0.442	ppbv	95
21) Allyl Chloride	3.983	41	23806	0.360	ppbv	93
22) trans-1,2-Dichloroethene	4.433	96	17301	0.345	ppbv	95
23) Vinyl Acetate	4.619	43	12930m	0.388	ppbv	
24) 1,1-Dichloroethane	4.552	63	38040	0.377	ppbv #	96
25) Ethyl Acetate	5.205	43	71272	0.393	ppbv #	97
26) Hexane	5.205	57	32820m	0.414	ppbv	
27) Carbon Disulfide	4.115	76	31771m	0.309	ppbv	
28) Methyl tert-Butyl Ether	4.590	73	33716	0.378	ppbv	92
29) Chloroform	5.262	83	59044	0.466	ppbv #	81
30) Cyclohexane	6.597	84	30825m	0.489	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	28801	0.375	ppbv	92
32) 1,1,1-Trichloroethane	5.996	97	51008	0.396	ppbv	98
34) 2-Butanone	4.790	43	39552	0.378	ppbv	92
35) Carbon Tetrachloride	6.487	117	50561	0.404	ppbv	95
36) Benzene	6.362	78	62229	0.380	ppbv #	92
37) 1,2-Dichloroethane	5.793	62	42616	0.405	ppbv #	96
38) Trichloroethene	7.285	130	35881m	0.386	ppbv	
39) 1,2-Dichloropropane	7.057	63	26165m	0.409	ppbv	
40) 1,4-Dioxane	7.314	88	10299m	0.405	ppbv	
41) Tetrahydrofuran	5.578	42	25442m	0.421	ppbv	
42) Bromodichloromethane	7.240	83	52421	0.369	ppbv #	95
43) Methyl Methacrylate	7.478	69	20994m	0.349	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	106286m	0.390	ppbv	
45) t-1,3-Dichloropropene	8.712	75	16186m	0.302	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	24441m	0.334	ppbv	
47) 1,1,2-Trichloroethane	8.893	97	27586	0.409	ppbv	91
48) Dibromochloromethane	9.703	129	38236m	0.353	ppbv	
49) Bromoform	12.404	173	26579	0.318	ppbv	98
50) 4-Methyl-2-Pentanone	8.198	43	59392m	0.361	ppbv	
51) 2-Hexanone	9.568	43	39389m	0.316	ppbv	
52) Tetrachloroethene	10.613	164	22360	0.418	ppbv #	83
53) Toluene	9.214	91	59517m	0.341	ppbv	
54) 1,2-Dibromoethane	10.005	107	27390m	0.388	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	32124m	0.415	ppbv	
57) Chlorobenzene	11.516	112	59899m	0.442	ppbv	
58) Ethyl Benzene	12.092	91	80017m	0.361	ppbv	
59) m/p-Xylene	12.371	91	140718m	0.706	ppbv	
60) o-Xylene	13.056	91	63893	0.338	ppbv	98
61) Styrene	12.899	104	28437m	0.288	ppbv	
62) Isopropylbenzene	14.027	105	103345	0.380	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	29300m	0.426	ppbv	
64) n-propylbenzene	14.912	120	23055m	0.341	ppbv	
65) tert-Butylbenzene	16.095	119	81093m	0.348	ppbv	
66) Benzyl Chloride	16.330	91	4655m	0.292	ppbv	
67) sec-Butylbenzene	16.641	105	120124m	0.364	ppbv	
69) p-Isopropyltoluene	17.002	119	84416	0.325	ppbv	94
70) n-Butylbenzene	17.886	91	95756m	0.342	ppbv	
71) 2-Chlorotoluene	14.802	91	74859m	0.358	ppbv	
72) 4-Ethyltoluene	15.191	105	73502m	0.350	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	65888m	0.348	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	77210m	0.369	ppbv	
75) 1,3-Dichlorobenzene	16.333	146	43079m	0.370	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	46258m	0.404	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	42616m	0.383	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	35300m	0.433	ppbv	
79) Naphthalene	21.397	128	32205m	0.268	ppbv	
80) Naphthalene,2-methyl-	24.387	142	7855m	0.194	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	23382m	0.316	ppbv	

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

