

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040538.D
 Acq On : 14 Jul 2023 22:40
 Operator : SY/MD
 Sample : 03572-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023

Quant Time: Jul 16 23:34:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	939746	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.648	114	2528986	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.465	117	2213290	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1740214 9.935 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	101334	0.539	ppbv	96
3) Chlorodifluoromethane	2.678	51	79332	0.533	ppbv	98
4) Chloromethane	2.813	50	33079	0.561	ppbv	99
5) Vinyl Chloride	2.915	62	31120m	0.502	ppbv	
6) Bromomethane	3.118	94	13059	0.499	ppbv	97
7) Chloroethane	3.192	64	12021	0.553	ppbv	92
8) Dichlorotetrafluoroethane	2.858	85	79628	0.515	ppbv	95
9) Propene	2.690	41	24266	0.476	ppbv	97
10) Heptane	7.578	43	49918	0.443	ppbv	98
11) Trichlorofluoromethane	3.562	101	80564	0.531	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	55172	0.516	ppbv	99
13) Ethanol	3.253	45	5074m	0.457	ppbv	
14) Bromoethene	3.359	108	22795m	0.496	ppbv	
15) Acetone	3.481	43	61583	0.569	ppbv	94
16) 1,3-Butadiene	2.983	39	27530	0.504	ppbv	96
17) tert-Butyl alcohol	3.890	59	52166	0.466	ppbv	99
18) 1,1-Dichloroethene	3.880	96	25321	0.516	ppbv	90
19) Isopropyl Alcohol	3.591	45	28447	0.458	ppbv #	88
20) Methylene Chloride	3.931	84	26496	0.576	ppbv #	88
21) Allyl Chloride	3.999	41	30148	0.488	ppbv	93
22) trans-1,2-Dichloroethene	4.443	96	23222	0.479	ppbv	90
23) Vinyl Acetate	4.629	43	49685	0.482	ppbv #	97
24) 1,1-Dichloroethane	4.558	63	53816	0.514	ppbv	99
25) Ethyl Acetate	5.208	43	100175	0.486	ppbv	97
26) Hexane	5.208	57	46965	0.491	ppbv	90
27) Carbon Disulfide	4.121	76	42420	0.377	ppbv #	83
28) Methyl tert-Butyl Ether	4.597	73	37956	0.493	ppbv	94
29) Chloroform	5.272	83	83340	0.525	ppbv	97
30) Cyclohexane	6.594	84	40994m	0.515	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	42850	0.453	ppbv	93
32) 1,1,1-Trichloroethane	5.999	97	73747	0.475	ppbv	96
34) 2-Butanone	4.800	43	59131	0.473	ppbv	98
35) Carbon Tetrachloride	6.494	117	71812	0.472	ppbv	92
36) Benzene	6.369	78	95992	0.472	ppbv	99
37) 1,2-Dichloroethane	5.803	62	55893	0.467	ppbv #	96
38) Trichloroethene	7.288	130	37919m	0.493	ppbv	
39) 1,2-Dichloropropane	7.070	63	39271m	0.501	ppbv	
40) 1,4-Dioxane	7.324	88	10385m	0.424	ppbv	
41) Tetrahydrofuran	5.578	42	29849m	0.409	ppbv	
42) Bromodichloromethane	7.246	83	72716	0.437	ppbv #	89
43) Methyl Methacrylate	7.484	69	30177m	0.396	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	143256m	0.438	ppbv	
45) t-1,3-Dichloropropene	8.713	75	15760m	0.323	ppbv	

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	22826m	0.364	ppbv	
47) 1,1,2-Trichloroethane	8.899	97	42520	0.492	ppbv #	86
48) Dibromochloromethane	9.706	129	51412	0.385	ppbv	97
49) Bromoform	12.404	173	37099m	0.350	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	71168	0.392	ppbv	91
51) 2-Hexanone	9.571	43	41426m	0.323	ppbv	
52) Tetrachloroethene	10.613	164	30541m	0.463	ppbv	
53) Toluene	9.224	91	80905	0.366	ppbv	98
54) 1,2-Dibromoethane	10.005	107	47969	0.447	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.504	131	49736m	0.502	ppbv	
57) Chlorobenzene	11.523	112	90198	0.523	ppbv	91
58) Ethyl Benzene	12.092	91	103391m	0.372	ppbv	
59) m/p-Xylene	12.365	91	210912m	0.851	ppbv	
60) o-Xylene	13.053	91	95464	0.404	ppbv	97
61) Styrene	12.896	104	32908m	0.302	ppbv	
62) Isopropylbenzene	14.028	105	162186	0.458	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.044	83	84905	0.513	ppbv	96
64) n-propylbenzene	14.915	120	40036	0.437	ppbv	80
65) tert-Butylbenzene	16.089	119	137990	0.440	ppbv	93
66) Benzyl Chloride	16.333	91	9494m	0.428	ppbv	
67) sec-Butylbenzene	16.635	105	209640	0.455	ppbv	98
69) p-Isopropyltoluene	16.989	119	161660m	0.425	ppbv	
70) n-Butylbenzene	17.889	91	176610	0.416	ppbv	97
71) 2-Chlorotoluene	14.796	91	115657m	0.424	ppbv	
72) 4-Ethyltoluene	15.191	105	103178	0.373	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.349	105	106228m	0.435	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	131373	0.462	ppbv	89
75) 1,3-Dichlorobenzene	16.326	146	82993m	0.481	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	88677m	0.524	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	82608	0.501	ppbv	97
78) Hexachloro-1,3-Butadiene	22.625	225	78713m	0.508	ppbv	
79) Naphthalene	21.391	128	83964m	0.349	ppbv	
80) Naphthalene,2-methyl-	24.368	142	12522m	0.126	ppbv	
81) 1,2,4-Trichlorobenzene	21.140	180	63769m	0.384	ppbv	

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

Manual Integrations

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

