

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040574.D
 Acq On : 31 Jul 2023 15:57
 Operator : SY/MD
 Sample : 03572-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Quant Time: Aug 01 01:39:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 01:39:39 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	992426	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	2521204	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.465	117	2146728	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.780	95	1719354	10.120	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	97057	0.489	ppbv	98
3) Chlorodifluoromethane	2.661	51	72496	0.461	ppbv	93
4) Chloromethane	2.796	50	28979	0.465	ppbv	95
5) Vinyl Chloride	2.909	62	29872	0.457	ppbv	93
6) Bromomethane	3.108	94	12987m	0.470	ppbv	
7) Chloroethane	3.186	64	11522	0.502	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	78722	0.482	ppbv	98
9) Propene	2.681	41	21508	0.399	ppbv	95
10) Heptane	7.581	43	31845	0.268	ppbv	91
11) Trichlorofluoromethane	3.549	101	84553	0.528	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.054	101	57769	0.512	ppbv	99
13) Ethanol	3.247	45	6776m	0.578	ppbv	
14) Bromoethene	3.353	108	20981	0.433	ppbv #	86
15) Acetone	3.472	43	61851	0.541	ppbv	93
16) 1,3-Butadiene	2.970	39	19906	0.345	ppbv #	76
17) tert-Butyl alcohol	3.886	59	54798	0.464	ppbv	99
18) 1,1-Dichloroethene	3.867	96	23060	0.445	ppbv	97
19) Isopropyl Alcohol	3.584	45	31505	0.480	ppbv #	82
20) Methylene Chloride	3.922	84	43913	0.904	ppbv	86
21) Allyl Chloride	3.986	41	28381	0.435	ppbv #	86
22) trans-1,2-Dichloroethene	4.433	96	21567	0.421	ppbv #	79
23) Vinyl Acetate	4.629	43	44652	0.410	ppbv #	92
24) 1,1-Dichloroethane	4.552	63	54876	0.497	ppbv	98
25) Ethyl Acetate	5.205	43	89226	0.410	ppbv	97
26) Hexane	5.205	57	46667	0.462	ppbv	89
27) Carbon Disulfide	4.118	76	51200	0.431	ppbv #	85
28) Methyl tert-Butyl Ether	4.594	73	34345	0.422	ppbv	99
29) Chloroform	5.269	83	77716	0.464	ppbv	93
30) Cyclohexane	6.591	84	19912m	0.237	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	32703	0.327	ppbv	91
32) 1,1,1-Trichloroethane	5.996	97	72197	0.440	ppbv	96
34) 2-Butanone	4.790	43	46940	0.377	ppbv	96
35) Carbon Tetrachloride	6.491	117	73743m	0.486	ppbv	
36) Benzene	6.369	78	68197	0.336	ppbv	96
37) 1,2-Dichloroethane	5.803	62	51297	0.430	ppbv	100
38) Trichloroethene	7.285	130	25869	0.337	ppbv #	93
39) 1,2-Dichloropropane	7.070	63	31179m	0.399	ppbv	
40) 1,4-Dioxane	7.324	88	8313m	0.340	ppbv	
41) Tetrahydrofuran	5.581	42	21015m	0.289	ppbv	
42) Bromodichloromethane	7.240	83	65877	0.397	ppbv #	84
43) Methyl Methacrylate	7.484	69	22747m	0.300	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	103667	0.318	ppbv #	85
45) t-1,3-Dichloropropene	8.706	75	12728m	0.261	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	16248m	0.260	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	32307m	0.375	ppbv	
48) Dibromochloromethane	9.706	129	48164	0.362	ppbv	98
49) Bromoform	12.410	173	37026m	0.351	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	52938m	0.292	ppbv	
51) 2-Hexanone	9.584	43	31749m	0.248	ppbv	
52) Tetrachloroethene	10.610	164	22221	0.338	ppbv	93
53) Toluene	9.217	91	53832	0.244	ppbv	96
54) 1,2-Dibromoethane	10.012	107	38637m	0.361	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.507	131	43149m	0.449	ppbv	
57) Chlorobenzene	11.526	112	71130	0.425	ppbv #	86
58) Ethyl Benzene	12.089	91	73047m	0.271	ppbv	
59) m/p-Xylene	12.375	91	151053m	0.628	ppbv	
60) o-Xylene	13.063	91	64543	0.282	ppbv	97
61) Styrene	12.899	104	21162m	0.200	ppbv	
62) Isopropylbenzene	14.034	105	116119m	0.338	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.050	83	71519	0.446	ppbv	92
64) n-propylbenzene	14.921	120	29346m	0.330	ppbv	
65) tert-Butylbenzene	16.095	119	97258m	0.320	ppbv	
66) Benzyl Chloride	16.339	91	8871m	0.413	ppbv	
67) sec-Butylbenzene	16.648	105	149902m	0.336	ppbv	
69) p-Isopropyltoluene	17.005	119	104356	0.283	ppbv #	92
70) n-Butylbenzene	17.896	91	126248	0.307	ppbv #	94
71) 2-Chlorotoluene	14.802	91	76210	0.288	ppbv	99
72) 4-Ethyltoluene	15.201	105	74099m	0.276	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	70322m	0.297	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	90863m	0.329	ppbv	
75) 1,3-Dichlorobenzene	16.336	146	65551m	0.392	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	65611m	0.400	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	62254m	0.389	ppbv	
78) Hexachloro-1,3-Butadiene	22.628	225	61820m	0.411	ppbv	
79) Naphthalene	21.400	128	53777m	0.230	ppbv	
80) Naphthalene,2-methyl-	24.474	142	8203m	0.085	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	40186m	0.250	ppbv	

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

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