Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
Data File : VL040573.D
Acq On : 31 Jul 2023 15:18
Operator : SY/MD
Sample : 03572-15 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 01:39:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

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

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	5.185	49	1034289	10.000	ppbv		-0.02
33) 1,4-Difluorobenzene	6.648	114	2575727	10.000	ppbv		-0.02
55) Chlorobenzene-d5	11.468	117	2197057	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.777	95	1764504	10.148	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.716	85	115063	0.556	ppbv		99
3) Chlorodifluoromethane	2.661	51	84891	0.518	ppbv		98
4) Chloromethane	2.800	50	31812	0.490	ppbv		89
5) Vinyl Chloride	2.909	62	31622m	0.464	ppbv		
6) Bromomethane	3.105	94	15462m	0.537	ppbv		
7) Chloroethane	3.185	64	12048	0.504	ppbv	#	87
8) Dichlorotetrafluoroethane	2.845	85	90253	0.530	ppbv		98
9) Propene	2.681	41	23887	0.426	ppbv		94
10) Heptane	7.577	43	41142	0.332	ppbv		93
11) Trichlorofluoromethane	3.552	101	91298	0.547	ppbv		98
12) 1,1,2-Trichlorotrifluo...	4.053	101	66290	0.564	ppbv		95
13) Ethanol	3.246	45	6690m	0.548	ppbv		
14) Bromoethene	3.356	108	24165	0.478	ppbv	#	87
15) Acetone	3.475	43	74911	0.629	ppbv		95
16) 1,3-Butadiene	2.970	39	30198m	0.503	ppbv		
17) tert-Butyl alcohol	3.883	59	58474	0.475	ppbv	#	94
18) 1,1-Dichloroethene	3.873	96	27558	0.510	ppbv		95
19) Isopropyl Alcohol	3.581	45	29558	0.432	ppbv	#	85
20) Methylene Chloride	3.925	84	46100	0.910	ppbv		92
21) Allyl Chloride	3.989	41	30939	0.455	ppbv	#	86
22) trans-1,2-Dichloroethene	4.436	96	26925m	0.505	ppbv		
23) Vinyl Acetate	4.619	43	65274m	0.575	ppbv		
24) 1,1-Dichloroethane	4.552	63	58228	0.506	ppbv	#	94
25) Ethyl Acetate	5.208	43	105834	0.467	ppbv		98
26) Hexane	5.208	57	50163	0.476	ppbv	#	90
27) Carbon Disulfide	4.118	76	60720	0.490	ppbv	#	85
28) Methyl tert-Butyl Ether	4.587	73	35151	0.415	ppbv	#	86
29) Chloroform	5.266	83	85188	0.488	ppbv		94
30) Cyclohexane	6.600	84	25722m	0.294	ppbv		
31) cis-1,2-Dichloroethene	5.070	61	39582m	0.380	ppbv		
32) 1,1,1-Trichloroethane	5.996	97	81797	0.479	ppbv		96
34) 2-Butanone	4.796	43	62389m	0.490	ppbv		
35) Carbon Tetrachloride	6.487	117	79731	0.514	ppbv		93
36) Benzene	6.365	78	84565	0.408	ppbv		95
37) 1,2-Dichloroethane	5.803	62	57440	0.471	ppbv		99
38) Trichloroethene	7.285	130	33096m	0.422	ppbv		
39) 1,2-Dichloropropane	7.060	63	34162m	0.428	ppbv		
40) 1,4-Dioxane	7.311	88	10980m	0.440	ppbv		
41) Tetrahydrofuran	5.574	42	26270m	0.354	ppbv		
42) Bromodichloromethane	7.246	83	78531	0.463	ppbv		94
43) Methyl Methacrylate	7.475	69	23933m	0.309	ppbv		
44) 2,2,4-Trimethylpentane	7.323	57	126259m	0.379	ppbv		
45) t-1,3-Dichloropropene	8.712	75	14274m	0.287	ppbv		

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46) cis-1,3-Dichloropropene	8.137	75	21211m	0.332	ppbv		
47) 1,1,2-Trichloroethane	8.902	97	38076m	0.433	ppbv		
48) Dibromochloromethane	9.706	129	53968m	0.397	ppbv		
49) Bromoform	12.413	173	41536m	0.385	ppbv		
50) 4-Methyl-2-Pentanone	8.201	43	64717	0.350	ppbv		90
51) 2-Hexanone	9.577	43	37461m	0.286	ppbv		
52) Tetrachloroethene	10.619	164	26051m	0.388	ppbv		
53) Toluene	9.220	91	67864	0.301	ppbv		96
54) 1,2-Dibromoethane	10.002	107	45083m	0.412	ppbv		
56) 1,1,1,2-Tetrachloroethane	11.500	131	53141m	0.540	ppbv		
57) Chlorobenzene	11.526	112	83117m	0.485	ppbv		
58) Ethyl Benzene	12.089	91	89802	0.326	ppbv		89
59) m/p-Xylene	12.381	91	181553m	0.738	ppbv		
60) o-Xylene	13.056	91	80516m	0.343	ppbv		
61) Styrene	12.892	104	27735	0.256	ppbv		98
62) Isopropylbenzene	14.034	105	135934	0.387	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.047	83	85273m	0.519	ppbv		
64) n-propylbenzene	14.918	120	29235	0.322	ppbv	#	46
65) tert-Butylbenzene	16.095	119	115214	0.370	ppbv		88
66) Benzyl Chloride	16.330	91	10406m	0.473	ppbv		
67) sec-Butylbenzene	16.645	105	180780m	0.396	ppbv		
69) p-Isopropyltoluene	17.002	119	124349	0.329	ppbv	#	90
70) n-Butylbenzene	17.895	91	151017	0.359	ppbv		96
71) 2-Chlorotoluene	14.799	91	95618m	0.353	ppbv		
72) 4-Ethyltoluene	15.198	105	90214m	0.328	ppbv		
73) 1,3,5-Trimethylbenzene	15.355	105	76583	0.316	ppbv		90
74) 1,2,4-Trimethylbenzene	16.114	105	110715m	0.392	ppbv		
75) 1,3-Dichlorobenzene	16.339	146	73806	0.431	ppbv		93
76) 1,4-Dichlorobenzene	16.481	146	73167m	0.436	ppbv		
77) 1,2-Dichlorobenzene	17.153	146	71121m	0.434	ppbv		
78) Hexachloro-1,3-Butadiene	22.635	225	72228m	0.470	ppbv		
79) Naphthalene	21.397	128	63386m	0.265	ppbv		
80) Naphthalene,2-methyl-	24.387	142	6653m	0.068	ppbv		
81) 1,2,4-Trichlorobenzene	21.143	180	51790m	0.315	ppbv		

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

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