Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
Data File : VL040539.D
Acq On : 14 Jul 2023 23:23
Operator : SY/MD
Sample : 03572-13 0.45 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2023

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

Quant Time: Jul 16 23:35:20 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.189	49	905970	10.000	ppbv		-0.01
33) 1,4-Difluorobenzene	6.648	114	2390637	10.000	ppbv		-0.02
55) Chlorobenzene-d5	11.465	117	2105319	10.000	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.777	95	1709648	10.261	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.729	85	92380	0.510	ppbv		94
3) Chlorodifluoromethane	2.674	51	69483	0.484	ppbv		98
4) Chloromethane	2.816	50	27978	0.492	ppbv	#	84
5) Vinyl Chloride	2.922	62	27017	0.452	ppbv		98
6) Bromomethane	3.118	94	13254	0.526	ppbv	#	77
7) Chloroethane	3.202	64	11145m	0.532	ppbv		
8) Dichlorotetrafluoroethane	2.858	85	74437	0.499	ppbv		95
9) Propene	2.694	41	23346	0.475	ppbv		98
10) Heptane	7.578	43	42295m	0.390	ppbv		
11) Trichlorofluoromethane	3.562	101	73750	0.504	ppbv		100
12) 1,1,2-Trichlorotrifluo...	4.067	101	52344	0.508	ppbv		100
13) Ethanol	3.266	45	6102m	0.570	ppbv		
14) Bromoethene	3.366	108	21792m	0.492	ppbv		
15) Acetone	3.485	43	53174	0.510	ppbv		89
16) 1,3-Butadiene	2.983	39	25470m	0.484	ppbv		
17) tert-Butyl alcohol	3.890	59	49663m	0.460	ppbv		
18) 1,1-Dichloroethene	3.880	96	21223	0.448	ppbv		95
19) Isopropyl Alcohol	3.597	45	26863	0.449	ppbv	#	85
20) Methylene Chloride	3.932	84	24150	0.544	ppbv		89
21) Allyl Chloride	3.993	41	24606	0.413	ppbv	#	81
22) trans-1,2-Dichloroethene	4.446	96	21467m	0.460	ppbv		
23) Vinyl Acetate	4.632	43	40237	0.405	ppbv	#	94
24) 1,1-Dichloroethane	4.565	63	48444	0.480	ppbv		99
25) Ethyl Acetate	5.208	43	88652m	0.447	ppbv		
26) Hexane	5.218	57	36584	0.397	ppbv	#	77
27) Carbon Disulfide	4.124	76	38071	0.351	ppbv	#	86
28) Methyl tert-Butyl Ether	4.594	73	34605	0.466	ppbv		95
29) Chloroform	5.269	83	70725	0.462	ppbv		98
30) Cyclohexane	6.600	84	35104m	0.457	ppbv		
31) cis-1,2-Dichloroethene	5.073	61	38070m	0.418	ppbv		
32) 1,1,1-Trichloroethane	6.002	97	65364	0.437	ppbv		93
34) 2-Butanone	4.800	43	57299m	0.485	ppbv		
35) Carbon Tetrachloride	6.494	117	65051	0.452	ppbv		97
36) Benzene	6.365	78	82628	0.430	ppbv		96
37) 1,2-Dichloroethane	5.809	62	54520m	0.482	ppbv		
38) Trichloroethene	7.288	130	30553	0.420	ppbv	#	88
39) 1,2-Dichloropropane	7.070	63	31840	0.430	ppbv		88
40) 1,4-Dioxane	7.314	88	9437m	0.407	ppbv		
41) Tetrahydrofuran	5.581	42	25362m	0.368	ppbv		
42) Bromodichloromethane	7.247	83	65152	0.414	ppbv		96
43) Methyl Methacrylate	7.478	69	24793m	0.344	ppbv		
44) 2,2,4-Trimethylpentane	7.327	57	122861	0.397	ppbv	#	93
45) t-1,3-Dichloropropene	8.706	75	13179m	0.285	ppbv		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	19032m	0.321	ppbv		
47) 1,1,2-Trichloroethane	8.899	97	34174	0.418	ppbv	#	84
48) Dibromochloromethane	9.706	129	42386	0.336	ppbv		92
49) Bromoform	12.407	173	29892	0.298	ppbv		92
50) 4-Methyl-2-Pentanone	8.195	43	61659m	0.359	ppbv		
51) 2-Hexanone	9.568	43	33856m	0.279	ppbv		
52) Tetrachloroethene	10.619	164	27164m	0.436	ppbv		
53) Toluene	9.221	91	63160	0.302	ppbv		99
54) 1,2-Dibromoethane	10.005	107	41076m	0.404	ppbv		
56) 1,1,1,2-Tetrachloroethane	11.500	131	42651m	0.452	ppbv		
57) Chlorobenzene	11.523	112	78013	0.475	ppbv		92
58) Ethyl Benzene	12.089	91	86639	0.328	ppbv		97
59) m/p-Xylene	12.368	91	170421m	0.723	ppbv		
60) o-Xylene	13.053	91	79560	0.354	ppbv		98
61) Styrene	12.896	104	26451m	0.255	ppbv		
62) Isopropylbenzene	14.028	105	130391	0.387	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.047	83	77070	0.490	ppbv		99
64) n-propylbenzene	14.921	120	31459m	0.361	ppbv		
65) tert-Butylbenzene	16.095	119	110626	0.371	ppbv		89
66) Benzyl Chloride	16.320	91	8138m	0.386	ppbv		
67) sec-Butylbenzene	16.635	105	167977	0.384	ppbv		97
69) p-Isopropyltoluene	16.999	119	130976m	0.362	ppbv		
70) n-Butylbenzene	17.892	91	141478	0.351	ppbv		97
71) 2-Chlorotoluene	14.799	91	90330	0.348	ppbv		99
72) 4-Ethyltoluene	15.192	105	86959	0.330	ppbv	#	96
73) 1,3,5-Trimethylbenzene	15.352	105	83485m	0.360	ppbv		
74) 1,2,4-Trimethylbenzene	16.105	105	106624	0.394	ppbv		96
75) 1,3-Dichlorobenzene	16.336	146	72159m	0.440	ppbv		
76) 1,4-Dichlorobenzene	16.471	146	67112	0.417	ppbv		93
77) 1,2-Dichlorobenzene	17.150	146	68919m	0.439	ppbv		
78) Hexachloro-1,3-Butadiene	22.635	225	67556m	0.458	ppbv		
79) Naphthalene	21.394	128	66324m	0.290	ppbv		
80) Naphthalene,2-methyl-	24.368	142	10542m	0.112	ppbv		
81) 1,2,4-Trichlorobenzene	21.146	180	51317m	0.325	ppbv		

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

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