Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041529.D
Acq On : 12 Aug 2024 10:05
Operator : SY/MD
Sample : VL0812ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 02:11:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Aug 13 02:09:20 2024
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/13/2024
Supervised By :Mahesh Dadoda 08/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.195	49	988193	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2660153	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2524478m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1891814	9.738	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.739	85	905343	5.325	ppbv	99
3) Chlorodifluoromethane	2.684	51	1121989	9.538	ppbv	99
4) Chloromethane	2.822	50	610004	9.749	ppbv	100
5) Vinyl Chloride	2.928	62	620995	10.069	ppbv	97
6) Bromomethane	3.128	94	326521	10.301	ppbv	100
7) Chloroethane	3.205	64	215022	10.102	ppbv	90
8) Dichlorotetrafluoroethane	2.867	85	1373877	9.121	ppbv	98
9) Propene	2.703	41	519112	9.606	ppbv	99
10) Heptane	7.581	43	1282690	10.564	ppbv	100
11) Trichlorofluoromethane	3.568	101	1455475	9.640	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1068922	9.832	ppbv	99
13) Ethanol	3.247	45	38526m	7.976	ppbv	
14) Bromoethene	3.375	108	438805	10.353	ppbv	99
15) Acetone	3.475	43	1101046	9.806	ppbv	100
16) 1,3-Butadiene	2.993	39	605142	10.088	ppbv	99
17) tert-Butyl alcohol	3.880	59	1112351	10.863	ppbv	99
18) 1,1-Dichloroethene	3.886	96	477938	10.277	ppbv	97
19) Isopropyl Alcohol	3.581	45	675688	10.294	ppbv	99
20) Methylene Chloride	3.938	84	402818	9.621	ppbv	97
21) Allyl Chloride	4.002	41	754318	10.244	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	472384	10.159	ppbv	98
23) Vinyl Acetate	4.629	43	974925	11.369	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1014451	10.047	ppbv	99
25) Ethyl Acetate	5.208	43	2341862	10.499	ppbv	100
26) Hexane	5.218	57	970422	10.487	ppbv	100
27) Carbon Disulfide	4.131	76	1148640	10.611	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	609853	10.451	ppbv	99
29) Chloroform	5.279	83	1511516	10.015	ppbv	96
30) Cyclohexane	6.607	84	821031	10.896	ppbv	98
31) cis-1,2-Dichloroethene	5.083	61	937376	10.255	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1493561	10.166	ppbv	99
34) 2-Butanone	4.790	43	1382863	10.746	ppbv	100
35) Carbon Tetrachloride	6.497	117	1557349	10.614	ppbv	99
36) Benzene	6.372	78	2036238	10.476	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1145036	10.525	ppbv	100
38) Trichloroethene	7.291	130	931264	10.458	ppbv	96
39) 1,2-Dichloropropane	7.073	63	795856	10.695	ppbv	97
40) 1,4-Dioxane	7.285	88	336934	11.271	ppbv	98
41) Tetrahydrofuran	5.558	42	820821	11.153	ppbv	99
42) Bromodichloromethane	7.250	83	1656690	10.546	ppbv	96
43) Methyl Methacrylate	7.475	69	808977	11.606	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	3444514	10.610	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	825143	12.861	ppbv	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.144	75	1114571	12.031	ppbv		98
47)	1,1,2-Trichloroethane	8.899	97	863062	10.521	ppbv		98
48)	Dibromochloromethane	9.709	129	1432991	10.844	ppbv		99
49)	Bromoform	12.407	173	1254551	11.239	ppbv		99
50)	4-Methyl-2-Pentanone	8.182	43	2303506	11.346	ppbv		100
51)	2-Hexanone	9.552	43	1867694	12.166	ppbv	#	98
52)	Tetrachloroethene	10.616	164	777552	10.353	ppbv		98
53)	Toluene	9.221	91	2380203	10.993	ppbv		100
54)	1,2-Dibromoethane	10.008	107	1228899	11.255	ppbv		96
56)	1,1,1,2-Tetrachloroethane	11.507	131	1036341	10.585	ppbv	#	57
57)	Chlorobenzene	11.526	112	1863270	10.367	ppbv		99
58)	Ethyl Benzene	12.089	91	3212582	11.041	ppbv		99
59)	m/p-Xylene	12.372	91	5471535m	21.783	ppbv		
60)	o-Xylene	13.057	91	2624879	11.047	ppbv		100
61)	Styrene	12.899	104	1281440	11.954	ppbv		99
62)	Isopropylbenzene	14.031	105	3800877	10.522	ppbv		100
63)	1,1,2,2-Tetrachloroethane	13.047	83	1617481	10.780	ppbv		100
64)	n-propylbenzene	14.915	120	1017816	10.778	ppbv		94
65)	tert-Butylbenzene	16.092	119	3434158	10.526	ppbv		100
66)	Benzyl Chloride	16.330	91	289599	13.839	ppbv		98
67)	sec-Butylbenzene	16.635	105	4831714	10.749	ppbv		100
69)	p-Isopropyltoluene	16.995	119	4063282	10.893	ppbv		100
70)	n-Butylbenzene	17.886	91	4227497	11.055	ppbv		99
71)	2-Chlorotoluene	14.799	91	2864928	10.755	ppbv		99
72)	4-Ethyltoluene	15.191	105	3146268	11.247	ppbv		98
73)	1,3,5-Trimethylbenzene	15.352	105	2690441	11.164	ppbv		100
74)	1,2,4-Trimethylbenzene	16.108	105	3014700	10.760	ppbv		99
75)	1,3-Dichlorobenzene	16.330	146	1876465	10.654	ppbv		100
76)	1,4-Dichlorobenzene	16.474	146	1877028	11.006	ppbv		97
77)	1,2-Dichlorobenzene	17.140	146	1824591	10.450	ppbv		99
78)	Hexachloro-1,3-Butadiene	22.638	225	1386346m	9.311	ppbv		
79)	Naphthalene	21.381	128	3075936	12.438	ppbv		99
80)	Naphthalene,2-methyl-	24.371	142	2572995	12.412	ppbv		100
81)	1,2,4-Trichlorobenzene	21.143	180	1625135	11.043	ppbv		100

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

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